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ABSTRACT

A nature center is defined as an organized and permanent nonprofit institution which is essentially educational, scientific, and cultural in purpose with professional staff, and open to the public on some regular schedule. A nature center manages and interprets its lands, native plants and animals and facilities to promote an understanding of nature and natural processes. Listed in this directory are 1,261 nature centers in the United States and Canada including addresses, phone numbers, directors, operators, mission statements, site and facility descriptions, descriptions of services provided, and annual budgets. This directory includes zoos, centers, parks, and museums. Also included are overall statistics including management and ownership, budget, setting, size, staffing, annual usage, acreage, facilities, use of technology, and accreditation. Appendices include individual center profiles; curricula and program descriptions; and three "Blue Ribbon Reports" from the Natural Science for Youth Foundation: "The Status of Our Profession," "Nature Centers' Big Concerns," and "Environmental Education Leaders Predict Future Trends." (CW)

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Directory
Natural Science Centers

Published by NATURAL SCIENCE FOR YOUTH FOUNDATION

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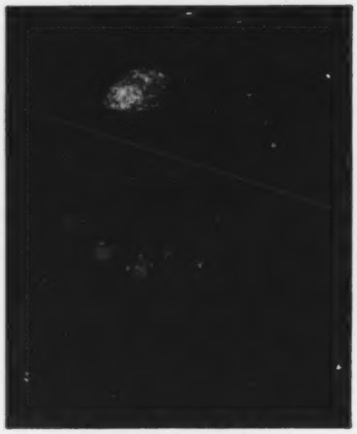
NSYF LEADERSHIP

For over 29 years, the NSYF has been leading the nature center movement; and, when considering the additional contributions of NSYF's forerunner organizations, its leadership dates back 48 years to 1942. NSYF provides a variety of services and publications, all aimed at promoting and developing centers and the staff who are the on-line professionals of our field.

Organizations and individuals who join the Foundation help assure our continued advocacy of growth, excellence and professionalism.

- **Publications** to increase communication within the profession and among facilities.
- **Conferences, workshops and seminars** to increase the competency of the staff teaching and managing at our country's nature education centers.
- **Projects** to strengthen our appeal to educators, the public and the professional job market.



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NSYF Founder and President Emeritus

From where he sits at the pinnacle of a 50-year career, NSYF Founder and President Emeritus, **Dr. John Ripley Forbes** has an excellent view of America's natural science centers. Naturally so, in that he has aided in the founding of more than 200 centers across the U.S. in the course of his rich and productive career, including Louisiana Nature and Science Center (see below).

Even now, in his, "retirement", he is actively supporting the development of four ambitious projects in the Greater Atlanta area while also heading the Southeastern Land Preservation Trust.

This sixth edition of the Directory of Natural Science Centers follows five previous editions created under his personal supervision. Dr. Forbes has declared this edition to be, "The best yet!", due to its universal usefulness and national perspective. "As a research tool or job search reference, it can't be equaled in the natural science field."

About the Cover: It was quite a struggle deciding which nature center should be featured on the cover of this edition of the Directory. There is such diversity, including centers which are new and affluent, long-established centers with a community tradition and centers operating from donated buildings and surviving on a shoestring budget. Louisiana Nature and Science Center, Inc. was chosen for its excellence of planning design and program. It represents one realistic model which many organizations, both new and well-established, can use for comparison and inspiration.

Set in the beautiful natural surroundings typical of Louisiana, the Center presents an inviting atmosphere for learning. Located on an 86-acre bottomland hardwood forest in an urban area of New Orleans, the LNSC abounds with native wildlife, wildflowers, and a wide variety of trees. Three nature trails wind through swamps, marshes, and woods, providing a perfect backdrop for teaching about Louisiana's environment and people's interrelationship to all things living. Besides the award-winning Interpretive Center there is a Planetarium, Science Resource Center, Botany Center, and Multipurpose Classrooms. (See LNSC, p. 129 and Appendix A for more details)

However, here or anywhere, the key to making those buildings "come alive" is the teaching staff who encourage discovery learning by urging visitors to see, listen, touch and appreciate. Through exhibits, programs, and one-on-one teaching, the staff can reach a variety of audiences and stimulate a love of learning and, ultimately, caring for the Earth, our only home.

EDITORIAL TEAM

Dick Touvell

Bora Simmons - Ron Widmar

Owen D. Winters

Michael Weilbacher

Well, here it is! The 6th edition of the Directory of Natural Science Centers is now in your hands - the place where it was meant to be. We on the editorial team are proud to deliver this resource and already have felt rewarded by the welcome reception the book has enjoyed in pre-publication status.

It would make quite a roomful of people if everyone responsible for producing this Directory were gathered together. People from nature centers across the country who made the commitment of time and effort to complete NSYF's questionnaire generated the necessary information. Dick Touvell (representing NSYF and presently Executive Director of Chippewa Nature Center, Midland, MI) and Owen D. Winters (NSYF) were responsible for concept, design, oversight, general editing and advertising. **Dr. Ron Widmar** (environmental and land use planner) and **Dr. Bora Simmons** (Assistant Professor of Outdoor Teacher Education of Northern Illinois University and Director of the Resident Program at Lorado Taft Field Campus) produced the questionnaire and processed, compiled and analyzed the results. **Mike Weilbacher,** freelance educator and host of "Earth Talk Saturday", a Philadelphia FM-WHYY Public Radio show, shared his expertise as advisor, planner and writer. **Charlene Touvell** and **Judy Sloan** were the primary proofreaders. **Ken Bowald**, Director of Education at YFCA Camp Pendalouan, Michigan, produced organizational and curriculum descriptions.

Additional research people and **Staab Typographic's** printing team would cram another 34 people into the crowd. And, finally, add to that dozens of volunteers who helped assemble and process the many mailings.

NSYF warmly extends its heartfelt gratitude to everyone who worked to make the idea behind this 6th edition become a reality. It took an incredible network of people, all pulling toward the common goal of delivering the best possible Directory. This production once again proves the well-used U.S. Forest Service's Process Approach premise that, "None of us are as smart as all of us."!

We hope this Directory facilitates your networking with people throughout the U.S. and Canada. Ultimately, the strength of the natural science center profession will depend upon the ability of its individual components to unite in caring for and sharing with each other.

NOTE: The editorial team is already gathering information for a subsequent edition of the Directory of Natural Science Centers. You can help! Please send additions, corrections, suggested changes and informational requests to:

Natural Science for Youth Foundation
130 Azalea Drive
Roswell, GA 30075
(404) 594-9367

ABOUT
THIS
DIRECTORY

How many nature centers are there? One of NSYF's goals in assembling this Directory was to identify and list every nature center in the United States and Canada, thereby answering that question. Every state and province was searched, state rosters and directories were found, mailing lists were purchased, environmental and educational organizations were called and computer networks were searched. A Questionnaire was developed to provide a means of gathering data on and identifying every center wanting to be listed. Then, the Questionnaire, a postcard follow-up, a telephone follow-up and a second release of the Questionnaire was made. We even asked everyone we knew to check with two or three nearby centers and determine if they had received the Questionnaire. When all of the dust finally settled, we came up with 1261 valid entires.

Not too bad, but it is possible that there may be more centers yet to find. (If you know of one or more, please let us know!) Also, we're sure that not every listing in this Directory is purely a "nature center" either, although considerable thought and effort was spent in screening the mailing list.

Early in the project, it was determined that the American Association of Museums' definition of a nature center came very close to what we were seeking:

Definition of a Nature Center:

"For the purposes of accreditation, a nature center is defined as an organized and permanent nonprofit institution which is essentially educational, scientific, and cultural* in purpose with professional staff*, open to the public on some regular schedule. The Nature Center manages* and interprets* its lands, native* plants and animals and facilities to promote an understanding of nature and natural processes. It conducts frequent environmental education programs and activities for the public.

The key words indicated with an asterisk are further defined as follows:

Cultural: the nature center provides information as to the historic cause and effect relationships between human beings and the local or regional environment.

Professional Staff: at least one paid employee who commands an appropriate body of knowledge in the natural sciences and educational techniques and the ability to reach land and facility management decisions consonant with the experience of his or her peers, and who has access to and acquaintance with the literature of the field.

Manages: a conscious decision whether to manipulate ecosystems to attain specific stated goals related to the purposes of the institution.

Interprets: Interpretation is a planned effort, to create for the public an understanding of the environment with which the site is associated.

Native: nature centers emphasize the interpretation of indigenous plants and animals and may recognize the importance of naturalized species."*

This helped clarify which centers to select as the master mailing list was being assembled. The one thing we could not control, however, was response to our Questionnaire. Many centers responded promptly with clear and well-considered answers. Some were obviously hard-pressed for time to complete the answers.

Considering that over 4,200 organizations and individuals were on our master mailing list searching for potential entries and about 1261 centers responded, some real, live nature centers have probably been missed for various reasons despite the diligence of the search. Perhaps they'll become "found" in time for a subsequent edition of the Directory of Natural Science Centers.

Natural science centers represent an extremely diverse profession. Except for NSYF's Directories, the general lack of information on "who" are the nature centers is equaled by the general lack of information on "what" they are. The survey results printed in the Forward and Appendix A, along with the Blue Ribbon report series in Appendix D should help define the profession, its concerns and suggest significant trends.

Altogether, this Directory has been designed to be a resource identifying the "5 Ws' - who, what, when, where and why - of the natural science center movement as it exists today.

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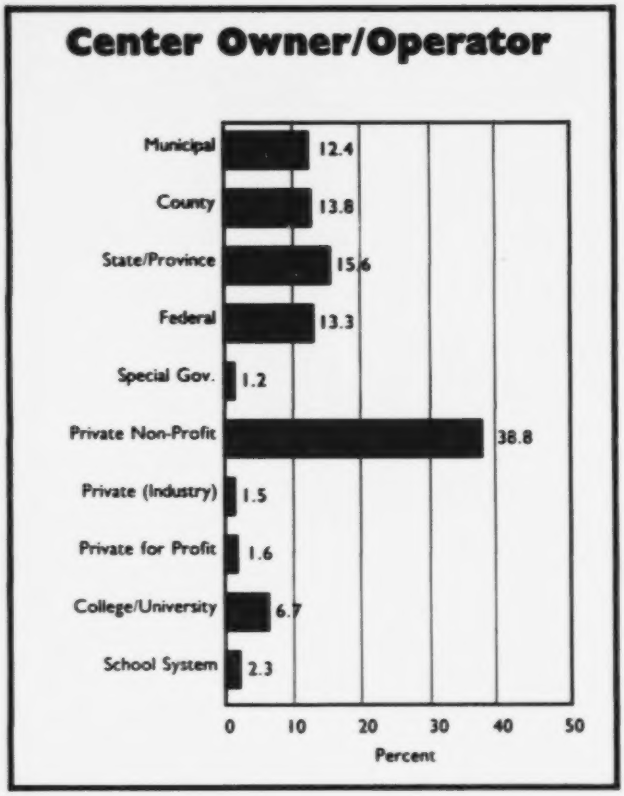
* Reprinted with permission of the American Association of Museums.

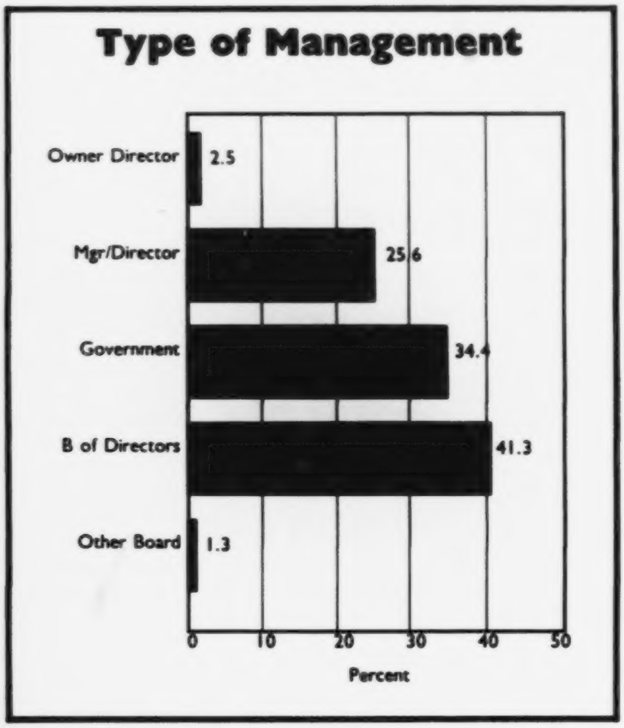

Center Owner/Operator

Natural Science Centers

Describe a typical nature center? Sure! It's. . .Well. . .Actually. . .At about this point, one is tempted to refer to The American Association of Museums' definition of a nature center. A typical description is, however, considerably more difficult.

Why? Because there is great diversity among the centers. In fact, the more nature centers one becomes familiar with, the wider the differences seem to be. In search of the typical nature center, questions like, "How big is it?", "How many staff are employed there?" and "How large is its budget?" are very difficult to answer.

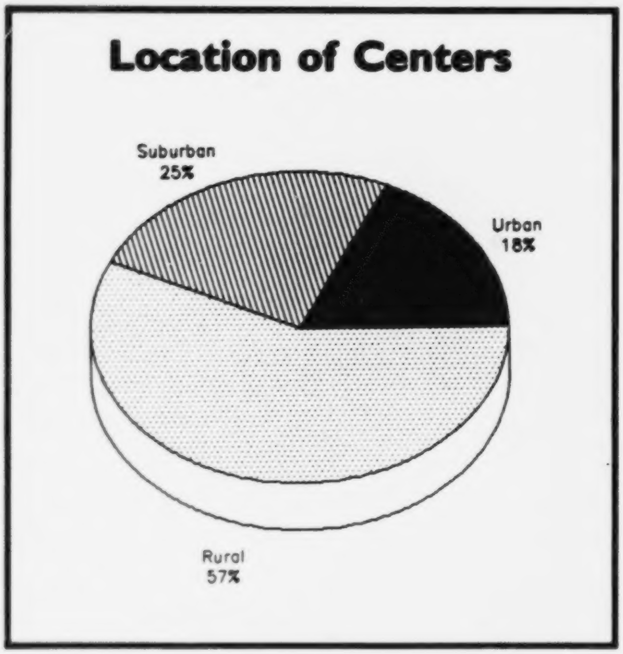
Clues to help answer these and other questions can be found in the Directory of Natural Science Centers. The Directory's listing of nature centers across the US and Canada updates everyone's knowledge on "Who's Who" in the profession. With 1261 centers responding to the Directory Questionnaire, it is possible to compile a set of vital statistics that define the nature education movement and its participants.


Type of Management

Management and Ownership

Who owns and operates the natural science centers across the US and Canada? It is probably not too surprising to find that most are owned by public institutions. Over half of the centers indicated that they were operated by some level of government (municipal, county, state/province, federal, or special government districts). Approximately 39% are operated as private not-for-profits, with only 9% administered by educational institutions (colleges/universities and school districts). Less than 3% indicated that they were owned or operated by private for profit or industry sponsored organizations.

With job titles that range from chief naturalist to curator to principal, the day-to-day operations of most centers are administered by a director or manager (62.5%), while approximately 40% are managed, at least in part, by a board of directors, board of education, or a board of commissioners.



Budget

Determining a typical annual budget for natural science centers is perhaps a bit more complex than what one might at first assume. Because of the variety of ways that centers are managed, as solely "owned" private not-for-profits to centers run by universities to centers run as part of a wildlife refuge, it is often difficult to segregate out the true operating costs of the center from the total budget of the organization. For some centers, the operating budget is all inclusive, while others do not include staff salaries or such items as utilities or capital improvements.

The budget figures reflect the variety of centers included in the Directory. Less than ten percent of the centers report annual budgets of less than $25,000, and a similar number report budgets in excess of $1,000,000. More typically, however, centers fall into three categories of budget size; 23.3% have budgets between $25,000 and $1000, 25.4% report $100,000-250,000 budgets, and 31% administer annual budgets of between $250,000 and $1,000,000.

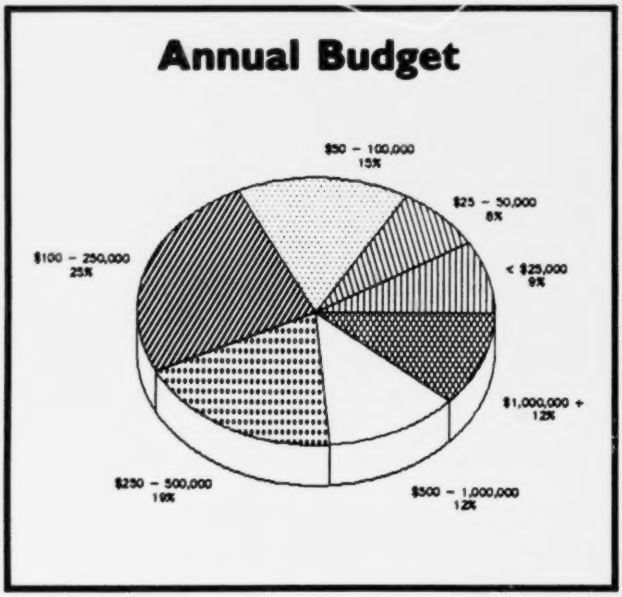
Setting

Where are centers typically located? Centers have been identified in every state and seven Canadian provinces. As might be expected, those states and provinces with the largest populations (California, New York, Florida, and Ontario) report the greatest number of centers. It is also probably not too surprising to note that 47% are found in rural areas, while 24.9% are in suburban settings, and only 18% are located in cities.

No matter where a center is located, however, chances are that it serves a broad range of populations. For example, 62.6% of the centers serve populations coming from rural, suburban, and urban settings on a regular basis. Few centers provide programs for a limited population; 4.2% serve only urban populations, 6.3% serve users from suburban areas only, and 4.3% only serve rural users.

How Big is Big?

Natural science centers come in a variety of different forms. In describing them, it is often tempting to try to label a center as small or large. But how big is big, and what particular criterion should be used? A facility's "size" can be measured, for example, by its annual budget, the number of staff members employed or the number of users served each year. The centers responding to the survey represent every point along the spectrum from centers with no full time staff to those managing budgets of well over a million dollars a year.



Staffing

Centers use a variety of strategies to staff programs. Some rely primarily on full-time paid personnel, while others predominantly depend upon part-time staff, college interns, or volunteers. It is interesting to note that 7% of the centers have no full-time seasonal or year round teaching/administrative staff. At the other end of the scale, 15.8% of the centers have eleven or more full-time teaching/administrative staff. More commonly, however, 61.9% of the centers report employing between one and five full-time staff members.

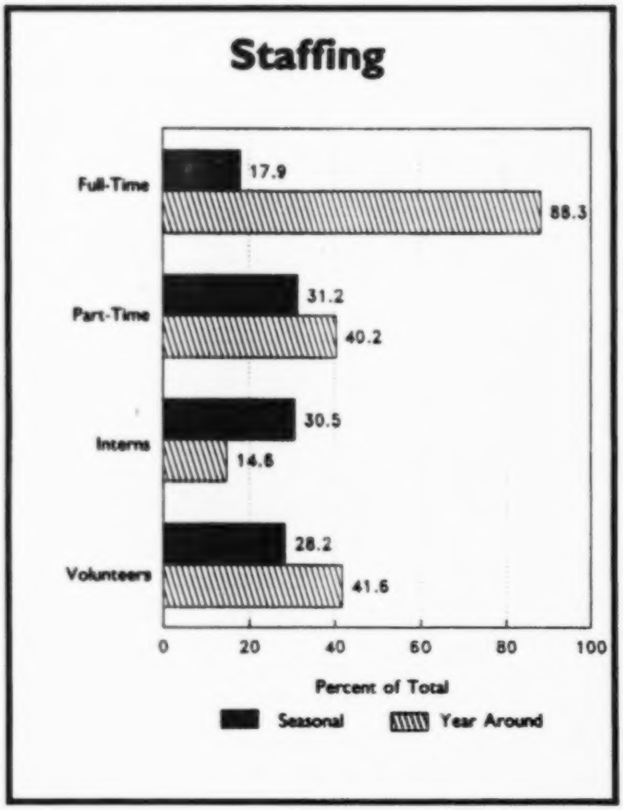
For many centers, part-time staff, volunteers and college interns fill the gap that a limited personnel budget cannot bridge. Sixty-three percent of the centers report utilizing volunteers, 62.7% employ part-time teaching/administrative staff and 42.9% maintain a college intern program. Volunteers, in particular, seem to play an important role in natural science centers. One-quarter of the centers utilize 20 or more volunteers on a regular basis, with approximately 8% staffing programs with over 100 volunteers. Although volunteer programs seem to be sizable, those centers using college interns do so on a much more limited basis. Centers will typically hire 1-2 interns, with less than 7% of the centers hiring more than 5 interns.

Annual Use

The majority of centers provide programs for day users only, with approximately 20% providing a residential program. Of those providing programs for day users, two-thirds of the centers serve over 10,000 people annually, with 35.6% serving over 50,000 users. The numbers for residential users are equally impressive. Forty-three percent of those centers providing overnight programming serve over 5,000 users annually, while approxiamtely 20% serve between 3000 and 5000 users annually.

Acres

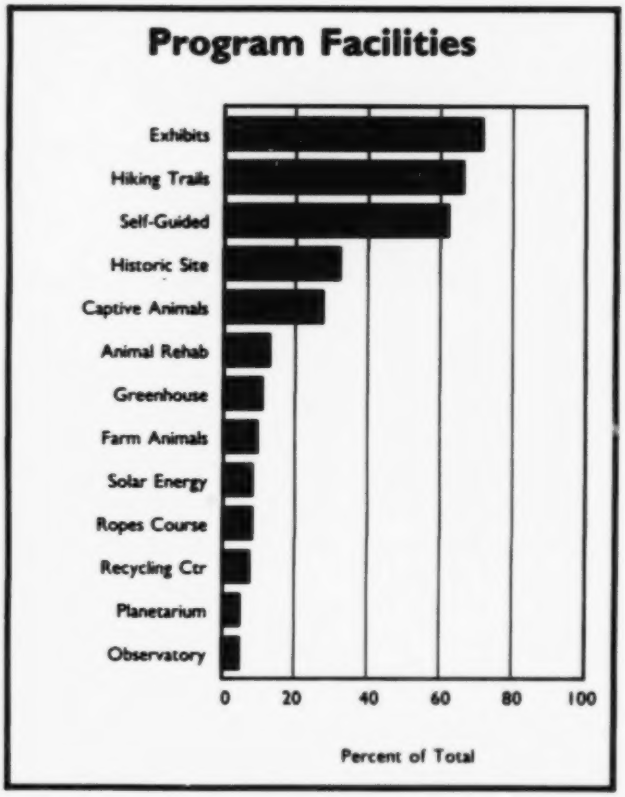
Reflecting the diversity of types of natural science centers responding to the questionnaire, the size of the property associated with the center varied widely. While nearly 19% are located on five acres or less, 31.4% are over 500 acres in size.



MORE STATS

Facilities

The definition being used for a natural science center is quite broad and includes zoos, aquariums, museums, resident outdoor education centers, parks and wildlife preserves as well as small nature centers and environmental education centers. But even with such a broad range of possibilities, centers represented in the directory hold certain features in common. They tend to have exhibits (72.5%), hiking trails (65.9%), and self-guided nature trails (62.2%). Other types of facilities or program areas are far less commonly found: historic structures or sites (33.1%), captive wild animals (28.6%), animal rehabilitation facilities (12.8%), a greenhouse (10.7%) and farm animals (10.1%). Less than ten percent of the centers reported having solar energy construction, a recycling center, a ropes or adventure course, a planetarium, or an observatory associated with their program.



Use of Technology

Where the well stocked office of a few years ago would have simply included a phone, typewriter, and maybe a duplicating machine, the office has now become much more dependent on technology. Almost three-quarters of the centers reported using a computer in their operation. A majority of these centers use IBM compatible computers, 21% have Apple/Macintosh machines, and almost 10% utilize both IBM compatible and Apple/Macintosh computers.

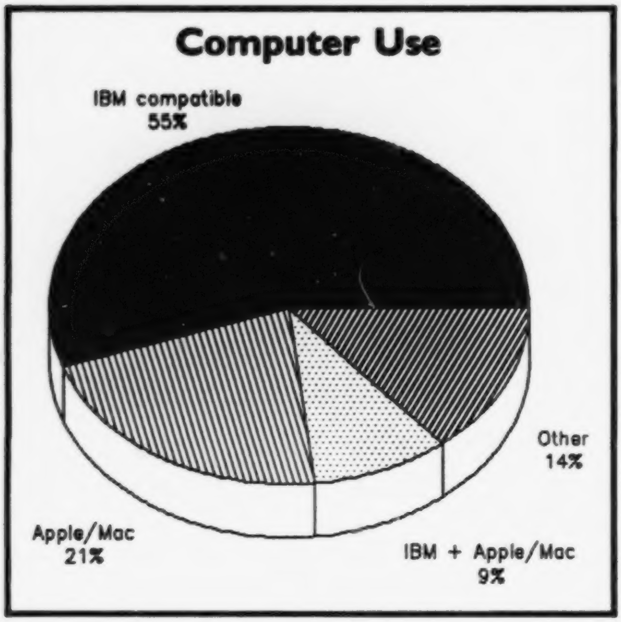
The computer found in a nature education center can serve a number of potential functions, including use in program areas as well as the main business office. It can also facilitate communication among professionals through computer networks, bulletin boards, and conferences. Even though a number of computer networks, e.g. EcoNet, Environet, etc., are geared specifically to environmental fields, centers have not, for the most part, adopted this technology. Only 3.3% of the centers report participating in a computer bulletin board. Communication among organizations can also be enhanced by the use of a relatively new technology, the FAX machine. Compared to the adoption of computer networks, access to FAX machines seems to be much greater; 11.4% of the centers report having access to a FAX machine for their office operations.

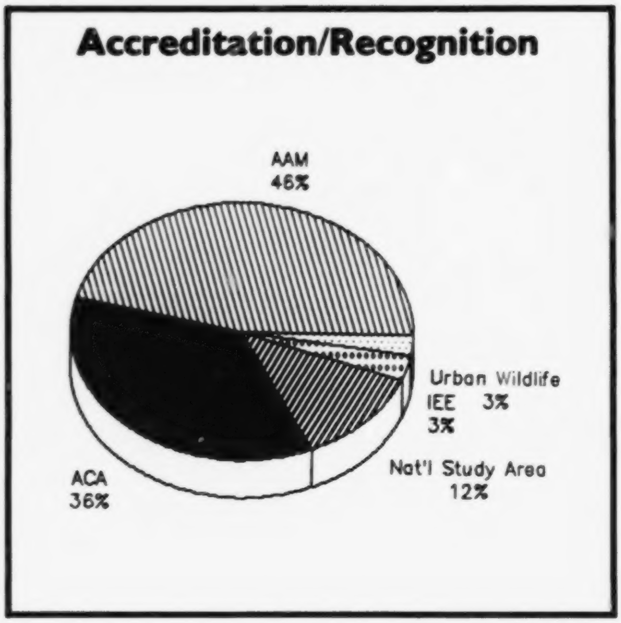
Accreditation

Every aspect of a nature center's operation, from its business practices to its program content, plays a significant role in its overall quality. User groups and fellow professionals sometimes judge a center by whether or not it has been accredited or recognized for the quality of its accomplishments or standards.

Only 15.2% of the centers report that they have gone through the formal process of recognition. Of those reporting that they have been recognized, 35.8% have been accredited by the American Camping Association, 46.1% by the American Association of Museums, and 12.4% have been recognized as a National Study Area. Finally, 3% report being accredited as an Institute for Earth Education Sharing Center.

Until 1989, AAM's Accreditation for nature centers was under a title and procedure used for evaluating museums. Now, a specific evaluation has been established just for nature centers, carrying with it a high level of accomplishment and organizational pride.





Conclusion

In trying to define the "typical" natural science center, we may well have taken on an impossible task, for there is no such thing as a typical center. The community of natural science centers provides programs in every corner of the United States and Canada. Some are set in our cities, while others are located in wilderness areas. Some focus their programs on a single community or school district, while others will serve well over a million visitors in a year. Natural science centers encompass resident centers, museums, parks, forest preserves, zoos, aquariums, and nature centers. The diversity of the field is reflected in the broad range of facilities listed in this Directory.

In a way, the community of natural science centers is much like the natural communities they teach about. "There is strength and stability in diversity", is the biological rule and it applies here, too. An individual center may flourish or wane and make little difference in the overall "health" of the community.

Likewise, shifting public interest may cause one aspect of a nature center to suddenly flourish while another aspect rapidly passes from the mainstream of demand. Those centers which can sense and adapt to change, it seems, will be the survisors in the long run.

At NSYF's Headquarters, we frequently hear of individuals and communities wanting to start new nature centers and expand present operations. Nature centers seems to be needed, wanted and liked by the public they serve. In their diversity is the strength that underlies the success of the natural science center movement.

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Appendix C **PROFESSIONAL ORGANIZATIONS** AAM - ANSS - ANCA - CEA - IEE - NAI - NSYF - NAEE - PA

Appendix D **NSYF'S BLUE RIBBON REPORTS** The Status of Our Profession - Nature Center's Big Concerns - Environmental Education Leaders Predict Future Trends

(1)

Anniston Museum of Natural History

PO Box 1587
Anniston, AL 36202
(205) 237-6766
Director: Christopher Reich
Operator: City of Anniston/Museum Board

Open to youth groups and the general public. Day programs. Open every day except Monday. Hours: 9-5; except Sat 10-5, Sun 1-5 Annual budget $500K-1,000,000. 8 Full-time staff. 4 Acres. Fees charged for facility use. Newsletter.

Mission: The Anniston Museum of Natural History presents the story of man and his world through innovative exhibitions and programs. We seek to encourage the preservation of the environment through collection-based environmental education programs in the Museum and in schools and other community organizations.

Site and Program Features: The Anniston Museum of Natural History features exciting open exhibits focusing on the theme "Adaptation to the Environment." Visitors can walk through an Alabama Cave, explore an African Savannah, etc. Hands-on activities and live animals enhance the exhibits. The Museum is surrounded by over four acres of woodland nature trails.

(2)

Bear Creek Education Center

PO Box 880
Russellville, AL 35653
(205) 332-6200
Director: Allan M. O'Neal, Jr.

Open to youth groups and the general public. Conference facilities. Multi-day programs. Open every day. Annual budget $50-100,000. 3 Full-time staff. 371 Acres. Lodging. Fees charged for facility use.

Mission: Through hands-on practical experiences, the students will find a new joy in learning math, science, language arts, social studies, etc. and obtain a reason for learning.

Site and Program Features: A 371 acre peninsula of hilly, wooded land extending into the Bear Creek Lake, a cliff for rappelling, canoeing and hiking facilities, a historical pioneer farm, high and low rope courses, and a pontoon boat for aquatic studies are some of our special features.

(3)

Bellingrath Gardens & Home

Rt. 1, Box 60
Theodore, AL 36582
Operator: The Bellingrath-Morse Foundation

Open to youth groups and the general public. Day programs. Open every day. Hours: 7 a.m. - dusk 800 Acres. Fees charged for facility use. Newsletter.

Site and Program Features: Bellingrath is a 65-acre, walk-through public garden that has been enjoyed by millions since its opening in 1932. It is a garden for all seasons, with color throughout the year. In the garden's center is a 15-room home with an impressive collection of antiques, porcelain, china and crystal.

Travel-Study participants from Anniston, Al. on their way to visit a sea-lion breeding area in the Galapagos. Photo courtesy of Anniston Museum of Natural History.

(4)

Birmingham Botanical Gardens

2612 Lane Park Rd.
Birmingham, AL 35223
(205) 879-1227
Director: Gary Gerlach
Contact: Shelley Lindstrom, Dir. of Education
Operator: Birmingham Park & Rec. Board

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: Dawn to dusk Annual budget $500K-1,000,000. 10 Full-time staff. 67 Acres. Newsletter.

Mission: Our mission is education, conservation and research.

Site and Program Features: The BBG covers over 67 acres of diverse terrain transformed into a unique collection of garden rooms crowned by a conservatory of tropical and desert plants. Highlights of the facility are a dedicated bird sanctuary with wildflower trails, sweeping perennial borders and over seven acres of Japanese Gardens. The BBG houses Alabama's largest horticultural library and an impressive herbarium collection.

(5)

Burritt Museum and Park

3101 Burritt Dr.
Huntsville, AL 35801
(205) 536-2882
Director: Melinda Herzog
Contact: Jeff Hughes, Curator of Natural Hist.

Open to youth groups and the general public. Day programs. Open every day except Monday. Hours: Museum: 12-5; Grounds: 7-sunset (daily) Closed December to March Annual budget $500K-1,000,000. 8 Full-time staff. 167 Acres. Newsletter.

Mission: Burritt Museum and Park's purpose is to serve the public by serving as a historical and educational site dedicated to preserve, interpret, and demonstrate: (a) rural lifestyles from the southern tip of the Cumberland Plateau during the period from 1800 to 1900, (b) the natural environment on its 167-acre site, and (c) the life and estate of William Henry Burritt.

Site and Program Features: The museum's setting is our major strength. The park has 167 acres located atop a mountain overlooking the city. The park is being surrounded by urban sprawl and soon will be one of the few spots to enjoy and learn about our natural environment and cultural history.

(6)

YMCA Camp Cosby Environmental Educ. Ctr.

Box 81A Rt. 2
Alpine, AL 35014
(205) 252-3191
Director: Dave Purcell
Operator: YMCA of Birmingham, AL

Open to youth groups and the general public. Conference facilities. Multi-day programs. Open every day. Seasonal changes in schedule. Annual budget $500K-1,000,000. 3 Full-time staff. 235 Acres. Lodging. Fees charged for facility use. Newsletter.

(7)

Discovery Hall Program

Box 369-370
Dauphin Island, AL 36528
(205) 861-2141
Director: John Dindo
Contact: Rita George, Secretary
Operator: State of Alabama-MESC Universities

Open to youth groups and the general public. Conference facilities. Day and multi-day programs. Open every day. Hours: M-F 7:30-5; Sat.-Sun.-all day Annual budget more than $1,000,000. 14 Full-time staff. 36 Acres. Lodging. Newsletter.

Mission: Discovery Hall is part of the Marine Environmental Sciences Consortium, a university-based marine research center in the Gulf of Mexico. The goals of the program have been to educate students (K-PhD) and adults in the marine sciences. Our programs are designed to bring about a more conscious environmental awareness.

Site and Program Features: The major strength of our organization is our location–7 miles off the coast of Alabama on an island. This location gives us easy access to an estuarine and open ocean environment. In addition to the wonderful site location, our facility can house 140 people and feed them at one time. We have the largest housing marine lab on the Gulf coast.

This Natural History Study Cruise in the Caribbean has won some life-long supporters for the sponsoring Center. Photo courtesy of Anniston Museum of Natural History.

(8)

Dothan Landmark Park

PO Box 6362
Dothan, AL 36302
(205) 794-3452
Director: William Holman
Contact: Rie Cowan, Educ. Coordinator
Operator: Dothan Landmarks Foundation

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: 9-5; except Sun 12-6 Annual budget $100-250,000. 6 Full-time staff. 60 Acres. Fees charged for facility use. Newsletter.

Mission: The purpose of Landmark Park is to provide a family-oriented facility where visitors can gain a better understanding and appreciation for the cultural and natural heritage of the Wiregrass Region of Southeast Alabama.

Site and Program Features: The Park features an 1800 ft. elevated boardwalk, an 1890 Living History Farm, and an Interpretive Center and Planetarium. The strength of Landmark Park lies in its educational program. School programs, special events, and teacher workshops provide a variety of educational opportunities.

(9)

Environmental Studies Center

Box 1327
Mobile, AL 36633
(205) 661-0998
Director: David L. Scott
Operator: Mobil County Public School System

Open to youth groups and the general public. Day programs. Open every day. Hours: 8-4:30 Seasonal changes in schedule. Annual budget $250-500,000. 4 Full-time staff. 640 Acres.

Mission: The purpose of the center is to provide opportunities in outdoor and environmental education which are not generally available through the regular program offered at the local school. The facility's unique resources provide direct exposure to the natural environment and allow first-hand study of the interrelationships and interdependence that govern the living world. Combined with the traditional classroom program, the center thus serves to complement and enrich science education through experiential learning. In the long term, this integrated approach can help to produce a more enlightened citizenry capable of making rational decisions regarding the environment and general well-being of Mobile. The following three goals guide the center toward achievement of this end: (1) To create an awareness of our world's environmental problems and foster new attitudes and values necessary for man to live harmoniously with nature. (2) To instill within the student a sense of oneness with the natural ecosystem and an understanding of the interdependence of living things on one another. (3) To enrich, vitalize and complement content areas of the school curriculum by means of first-hand observation and direct experience outside the classroom.

(10)

Exploreum

1906 Spring Hill Ave.
Mobile, AL 36607
(205) 476-6873
Director: Donna Westlund
Contact: Moren Riley

Open to youth groups and the general public. Day programs. Open every day except Monday. Hours: T-F 9-5; Sat.-Sun. 1-5 Closed on major holidays. 3 Full-time staff. 12 Acres. Newsletter.

Mission: The Exploreum's Museum of Discovery is a "hands-on" children's museum that has about 60,000 visitors every year. The majority of our students are school children.

Site and Program Features: The special features of our site are the variety of exhibits. We also have traveling exhibits from the Franklin Institute, Smithsonian, and ASTC.

(11)

Lakepoint Resort State Park

Rt. 2, Box 94
Eufaula, AL 36027
(205) 687-6676
Contact: Jill Shirley, Naturalist
Operator: State of Alabama

Open every day except Monday, Sunday. Hours: M-Th 9-5; F 9-9 Longer working hours in summer Annual budget $10-25,000. 1 Full-time staff. 1220 Acres. Camping.

Mission: To introduce the general public to wise conservation practices and encourage them to want to learn more. The center is open to the general public in the state park. It is also a goal to get the local school teachers to bring their classes to the park to give the children a hands-on-experience with nature in the outdoor setting. Special programs are given on wildlife, wildflowers, birds and nature programs. Walks and guided canoe trips are given in the summer.

Site and Program Features: We are in a natural setting which adjoins the Eufaula National Wildlife Refuge. The park is surrounded by Lake Eufaula which enables the center to make wise use of aquatic programs.

(12)

Madison County Nature Trail

County Courthouse
Huntsville, AL 35801

Open to youth groups and the general public. Day programs. Open every day. Hours: Sun up to sun down Annual budget $50-100,000. 4 Full-time staff. 74 Acres.

Mission: About 75% of the tract is left as is with nothing done but trail maintenance. Primarily covered with hardwood and pine and a 17-acre lake, spring fed with fish and waterfowl.

(13)

Ruffner Mountain Nature Center

1214 S. 81st St.
Birmingham, AL 35206
(205) 833-8112
Operator: Ruffner Mountain Coalition Inc.

Open to youth groups and the general public. Day programs. Open every day except Monday. Hours: T-Sat. 9-5; Sun. 1-5 Annual budget $100-250,000. 5 Full-time staff. 538 Acres. Newsletter.

Mission: Our mission is to manage RM and operate its programs to preserve RM's natural integrity and maintain it as a wildlife sanctuary. Also to utilize RM to foster an appreciation for the beauty and value of nature and an understanding of the interdependence of all living things.

Site and Program Features: RM is the last undeveloped portion of Red Mountain. Red Mountain is the southern terminus of the Appalachians. Strengths are our active board and broad-based support in the community.

Unique Features: The large former limestone quarry contains unique fossils, artesian springs.

(14)

Russell Cave National Monument

Rt. 1, Box 175
Bridgeport, AL 35740
(205) 495-2672
Director: Dorothy H. Marsh
Operator: National Park Service, Dept. Interior

Open to youth groups and the general public. Day programs. Open every day. Hours: 8-5 Annual budget $100-250,000. 3 Full-time staff. 310 Acres.

Mission: Our mission is to preserve, protect and interpret an archeological site containing the record of 8,000 years of prehistoric human occupation.

Site and Program Features: We have a cave shelter/excavation site, Woodland Period Burial Mound, and a nature trail. Our strengths include: Interpretation of prehistoric lifestyles, demonstrations of weapons and tools, interpretive and audiovisual programs.

(15)

Wheeler National Wildlife Refuge

Box 250 Rt. 4
Decatur, AL 35603
(205) 350-6639

Director: Tuck Stone
Contact: Harvie Fowler, Outdoor Rec. Planner
Operator: U.S. Fish & Wildlife Serv.

Open to youth groups and the general public. Day programs. Open every day. Hours: 10-5 Closed Mon & Tue Mar - Oct Annual budget $50-100,000. 3 Full-time staff. 34500 Acres. Fees charged for facility use.

Mission: Our goal is to provide a place and facility for the public to see exhibits, demonstrations and wildlife in their natural habitat so that a better understanding and appreciation of this nation's wildlife resources will be realized and a stronger support of the wildlife resource programs will occur.

Site and Program Features: This facility has a wildlife observation building as an annex, where great numbers of ducks and geese can be observed at close range during winter months. A boardwalk and connecting wildlife trail are present for those who want to enjoy a quiet walk to observe the flora and fauna of the area. Group visitors are welcome. Tours are available for groups of 10 or more by pre-arrangement though these are ideally for winter when large number of waterfowl are wintering here on the refuge. We also have a large visitor center with exhibits, classrooms and an auditorium.

Today, a live raptor helps tell the story of the web of life. Photo by Ray Egan

(16)

Alaska Maritime National Wildlife Refuge Visitor Center

202 W. Pioneer
Homer, AK 99603
(907) 235-6546
Director: John Martin
Contact: Poppy Benson, Outdoor Rec. Planner

Open to youth groups and the general public. Day programs. Open every day except Saturday, Sunday. Hours: 8:30-5:30 Summer: open on weekends. Annual budget $25-50,000. 1 Full-time staff.

Mission: The purpose of our center is to develop interest in and understanding of the Alaskan marine environment, particularly seabird habitat. The Alaska Maritime Refuge is the largest, 4.9 million acres, marine refuge in the country.

Site and Program Features: Homer is a spectacular, coastal tourist and fishing community. It is an excellent location for contacting visitors interested in coastal resources. Since 80% of the seabirds in Alaska nest on our refuge, we are in a good position to interpret this special resource.

(17)

Alaska Public Lands Information Center

250 Cushman #1A
Fairbanks, AK 99701
(907) 451-7352
Director: Karla Zervos
Contact: Chuck Lennox, Assistant Manager

Open to youth groups and the general public. Day programs. Open every day. Summer: Tues-Sat. Hours: 8:30 am - 9:00 pm Winter: 10-6. Annual budget $100-250,000. 3 Full-time staff.

Mission: (1) Provide a centralized location for the distribution of recreational information for five federal and three State of Alaska public (land) agencies. (2) Provide support for environmental education in the region and local area.

Site and Program Features: Beautiful displays and objects interpreting the six biogeographical areas of Alaska with specialized video programs; display on native artifacts and culture; relief and aerial maps of interior Alaska; display panels on weather, history, wildlife, lands; and a regular movie series.

Center for Alaskan Coastal Studies
P.O. Box 2225 • Homer, Alaska 99603 • 907/235-6667

(18)

Center for Alaska Coastal Studies

Box 2225
Homer, AK 99603
(907) 235-8667
Director: JoAnne Dopham

Open to youth groups and the general public. Conference facilities. Day and multi-day programs. Open every day. Hours: 9-6 Closed for groups winter, spring, fall. Annual budget $50-100,000. 1 Full-time staff. 21 Acres. Lodging. Fees charged for facility use. Newsletter.

Mission: The CACS is obligated to educate ourselves, visitors, fellows citizens and especially those responsible for policy decisions as to the importance of our coastal environment and the critical need for enlightened decision making in coastal management and protection.

Site and Program Features: The Center's programs include over 1500 students and visitors every year. Located 5 miles across Kachemak Bay from Homer, Alaska, visitors have a chance to learn about marine ecosystems and how the organisms in them live and interrelate in their natural environment. A self-guided nature trail through coastal spruce/hemlock forest adds another dimension to the area.

You've got their attention! Sharing natural wonders with children is often a mutually rewarding experience. Photo by Mary Weyer

(19)

Fort Richardson Fish & Wildlife Center

Rm. 114, #600
Ft. Richardson, AK 99505
(907) 863-8288
Director: Sgt. Ken Strony

Open to youth groups and the general public. Day programs. Open every day except Saturday, Sunday. Hours: 8:30-5:00 Closed on major holidays.

Mission: To inform the public on issues concerning Alaskan wildlife, habitats and general information on outdoor recreation in Alaska (hunting, fishing, etc.).

Site and Program Features: Fort Richardson Wildlife Center has approximately 280 wildlife exhibits on display free of charge to the general public to include world record Dall sheep and bear.

(20)

Kenai National Wildlife Refuge Visitor Center

P.O. Box 2139
Soldotua, AK 99669
Director: Daniel Doshier
Contact: Candace Ward, Visitor Center Manager
Operator: U.S. Fish & Wildlife Service

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: M-F 8-4:30; Sat.-Sun. 10-6 Closed on major holidays. 1 Full-time staff. 1.97 Million Acres.

Mission: The exhibits and programs at Kenai National Wildlife Refuge focus on wildlife education and positive stewardship of our public lands.

Site and Program Features: Our site offers a variety of educational and recreational opportunities on a year-round basis. These range from self-guided nature trails and canoeing in the summer to crosscountry skiing in the winter. Our education programs include field trip programs for schools and youth groups, environmental education workshops for teachers and youth leaders, and general public wildlife programs throughout the year.

(21)

Kodiak National Wildlife Refuge

1390 Buskin River Rd.
Kodiak, AK 99615
(907) 487-2600 FAX: (907) 487-2144
Director: Jay Bellinger
Contact: Dave Menke, Outdoor Rec. Planner
Operator: U.S. Fish & Wildlife Service

Open to youth groups and the general public. Day programs. Open every day. Hours: M-F 8-4:30; Sat.-Sun. 12-4:30 Closed on major holidays. 2 Full-time staff.

(22)

Mendenhall Glacier Visitor Center

USDA Forest Service
8465 Old Dairy Rd.
Juneau, AK 99801
(907) 789-0097 FAX: (907) 789-3111
Director: Sandra Gail Skrien
Contact: Pamela Killbreath, Interpretive Specialist
Operator: USDA Forest Service, Tongass Natl Forest

Open to youth groups and the general public. Day programs. Open every day. Hours: 5/15-9/30: 9-6:30 Seasonal changes in schedule. Closed on major holidays. Closed in winter. Annual budget $100-250,000. 1 Full-time staff. Camping.

Mission: Mendenhall Glacier Visitor Center is dedicated to the interpretation of glacial phenomena.

Site and Program Features: Mendenhall Glacier is the feature attraction. This glacier is visible from the visitor center only one-half mile away and is located only thirteen miles from Alaska's state capitol in downtown Juneau. Several hiking trails take you to areas around the glacier. Many interpretive opportunities are at the visitor center.

Unique Features: Our unique features include Mendenhall Glacier and Juneau Icefield.

(23)

Pratt Museum

3779 Bartlett St.
Homer, AK 99603
(907) 235-7860
Director: Betsy Pitzman
Contact: Martha Madsen, Curator of Education
Operator: Homer Society of Natural History

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: 10-5 Oct-April, T-Sun 12-5 Annual budget $250-500,000. 3 Full-time staff. Newsletter.

Mission: The Pratt Museum is operated by the Homer Society of Natural History to collect, preserve and interpret the natural and cultural heritage of the Kenai Peninsula and southcentral Alaska.

Site and Program Features: The Pratt Museum is a general museum including exhibits and collections on the natural and cultural history of the Kenai Peninsula. Unique exhibits include the only public marine aquaria in Alaska, a fine collection of marine mammals' skeletons, and an Alaskan native plant garden. Other exhibits focus on our area's wildlife through dioramas and comparative exhibits, prehistoric Eskimo and Dena'ina Indian exhibits and more.

Unique Features: The Pratt Museum is located in Homer, a community of about 10,000 in the area, and 3,500 in the City. The town in on the northern shore of a fjord, Kachemak Bay. The museum is 1 mile from the beach where tidepools and a wealthy marine environment can be explored. During summer, the bay is very accessible with many charter boats available for exploring the bay, birding, fishing.

A good environmental education helps this girl see and appreciate the goldenrod and more, much more. Photo by Ray Egan.

Discovering the answer to, "Who did this?", could spark a lifelong interest in and respect for the natural world.

(24)

Arizona Mineral Museum

Mineral Building, Fairgrounds
Phoenix, AZ 85007
(602) 255-3791
Director: Leroy E. Kissinger
Contact: Ann Turney, Admin. Assistant
Operator: Dept. Mines & Mineral Resources

Open to youth groups and the general public. Day programs. Open every day except Sunday. Hours: M-F 8-5; Sat. 1-5 Closed on major holidays. Annual budget less than $10,000. 1 Full-time staff.

Mission: The Arizona Mineral Museum is responsible for preserving and displaying the state's mineral collection.

Site and Program Features: The museum features one of the largest and finest mineral collections in the Southwest, with emphasis on Arizona minerals. Displays include specimens, lapidary, fluorescence, mining artifacts, ores and fossils. Programs are available for groups.

(25)

Arizona-Sonora Desert Museum

2021 N. Kinney Rd.
Tucson, AZ 85743
(602) 883-1380
Director: Dave Beal
Contact: Lauray Yule, Public Affairs Officer

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: 7:30-6:00 Seasonal changes in schedule. Annual budget more than $1,000,000. 19 Full-time staff. 185 Acres. Newsletter.

Mission: This living museum seeks to enhance human understanding and appreciation of the Sonoran Desert Region. Respect for the resources and interrelationships of animals, plants and nonrenewable resources is essential in preserving an environment fit for people.

Site and Program Features: We are a combination zoo, botanical garden, earth sciences center and educational facility that exhibits the living elements of our region in as natural and undisturbed state as possible. Through this message, we seek to educate those people who must preserve these resources for all of us. Ranked as one of the 10 best institutions of our kind in the world, we believe we are achieving that goal.

The younger, the better! Pre-schoolers seem to always be ready to dig into a natural investigation. Photo by Jeannie Touvell

(26)

Cabeza Prieta National Wildlife Refuge

1611 N. Second St.
Ajo, AZ 85321
(602) 387-6483
Director: Mike Goddard
Contact: George Morrison, Outdoor Rec. Planner
Operator: U.S. Fish & Wildlife Service

Open to youth groups and the general public. Open every day except Sunday. Hours: 7:30-4 Closed on major holidays. Annual budget $100-250,000. 2 Full-time staff. 970,000 Acres.

Mission: The Cabeza Prieta NWR was created to preserve habitat for the Sonoran Pronghorn, an endangered species, and the desert bighorn sheep.

Site and Program Features: The desert habitat preserved here is a unique slice of the Sonoran Desert and does not have an equal in size or variety anywhere in the nation.

Unique Features: The Camino del Diablo, a famous travel route across the desert, is just inside the U.S. border. The fame of the trail comes from the hundreds of people who died while trying to cross the desert using this particular route. To those acquainted with desert travel, it was especially dangerous; but to the uninitiated, it was the Devil's Highway.

(27)

Chiricahua National Monument

Dos Cabezas Rte., Box 6500
Willcox, AZ 85643
(602) 824-3560
Director: David E. Moore
Contact: Chuck Milliken, Chief of Interpretation
Operator: National Park Service

Open to youth groups and the general public. Day and multi-day programs. Open every day. Hours: 8-5 Seasonal changes in schedule. Annual budget $50-100,000. 3 Full-time staff. 12,000 Acres. Camping.

Mission: Congress created the national parks "to conserve the scenery and the natural and historic objects and the wild life therein and to provide for the enjoyment of the same in such manner and by such means as will leave them unimpaired for the enjoyment of future generations."

Site and Program Features: Chiricahua National Monument is a fantasy world of extraordinary rock sculptures created by the forces of nature over millions of years. This natural area boasts of a diverse flora and fauna from four major ecosystems: the Rocky Mountains, the Sierra Madres Mountains of Mexico, and the Sonoran and Chihuahuan Deserts. Ranger-conducted hikes and evening programs are offered daily in the visitor use season from March through September.

Unique Features: Unique geologic formations resulting from erosion of volcanic ash flows: columns, pinnacles, and balanced rock formations.

(28)

Imperial National Wildlife Refuge

Box 72217
Martinez Lake, AZ 85365
(602) 783-3371

Director: A. W. Nidecker III
Operator: U.S. Fish & Wildlife Service

Open to youth groups and the general public. Conference facilities. Day programs. Open every day except Saturday, Sunday. Hours: 8-4:30; Sat-Sun by appointment only. Closed on major holidays. Annual budget $100-250,000. 4 Full-time staff. 25,765 Acres.

Mission: Imperial NWR is to provide wintering and migrating habitat for waterfowl, provide habitat for marsh and water birds and special emphasis species, increase visitors' appreciation of natural environments, promote compatible public use, protect aesthetic values of the refuge, and decrease non-wildlife-oriented recreation.

Site and Program Features: Imperial NWR is a unique and wild environment where nature has been preserved. It provides a look into the sharp contrast between the desert and river ecosystems. Programs on the refuge, ecosystems, and management are offered. Custom programs for school and special interest groups are available upon request.

(29)

Kofa National Wildlife Refuge

356 W. 1st St.
Yuma, AZ 85366-6290
(602) 783-7861

Director: Milton Haderlie
Contact: George Morrison, Outdoor Rec. Planner
Operator: U.S. Fish & Wildlife Service

Open to youth groups and the general public. Day programs. Open every day except Saturday, Sunday. Hours: 8-12, 1-5 Closed on major holidays. Annual budget $250-500,000. 5 Full-time staff. 660,000 Acres.

Mission: Our Yuma administrative office is intended to serve as an information dispensing outlet. The refuge is 30 miles from the community and does not have a public contact facility on the site. Our Yuma office will continue to be the focal point for information on the refuge for many years to come.

Site and Program Features: The Kofa Refuge has preserved a population of Desert Bighorn Sheep which will provide surplus animals for re-populating other mountain ranges in the southwest from which the sheep have disappeared.

Unique Features: Castle Dome and Kofa Mountains are the tallest in this section of the state. Palm Canyon is most well known—a very narrow, short canyon in which grows the only native palms to Arizona. This is a dry canyon, no water available.

Caught in this net are some of the keys to understanding pond life.

(30)

Maricopa County Parks & Recreation

3355 W. Durango
Phoenix, AZ 85009
(602) 272-8871

Director: William Richwine
Contact: Howard Gillmore, Asst. Dir.
Operator: Maricopa County Parks & Rec. Dept.

Open to youth groups. Conference facilities. Multi-day programs. Open every day. 1 Full-time staff. Annual budget $50-100,000. 2200 Acres. Lodging. Fees charged for facility use.

Site and Program Features: Water impoundment and its impact on the desert, urban life, and the surrounding desert mountains constitute the major special features of this site.

(31)

Mile Hi/Ramsey Canyon Preserve

RR1, Box 84
Hereford, AZ 85615
(602) 378-2785

Director: Tom Wood
Contact: Sheri Williamson, Guest Services Manager
Operator: The Nature Conservancy

Open to the general public. Open every day. Hours: 8-5 Annual budget $100-250,000. 4 Full-time staff. 300 Acres. Lodging.

Mission: To provide habitat for endangered plants and animals and to educate visitors about the nature conservancy's work.

Site and Program Features: Special features include "Mountain Island" Canyon harboring 25 rare or endangered plants, animals, and communities representing biological crossroads of north, south, east, and west. Strengths of the program include a single-mindedness of purpose–to preserve the aforementioned special elements.

(32)

Natural Resource Education Project

101 E. Beale St., Suite C
Kingman, AZ 86401
(602) 753-6183
Director: Jane De Salvo

Open to youth groups and the general public. Conference facilities. Day programs. Open every day except Saturday, Sunday. Hours: 10-2 Closed on major holidays. Annual budget less than $10,000. 1 Full-time staff. Newsletter.

Mission: To assist teachers and students within the Big Sandy NRCD District with natural resource education through such programs as classroom presentations, field trips, outdoor classrooms, Arbor Day activities, conservation poster contests, teacher workshops, a natural resource lending library, resource personnel referral and as a general information center for grade levels K-12.

(33)

Organ Pipe Cactus National Monument

Rt. 1, Box 100
Ajo, AZ 85321
(602) 387-6849
Director: Harold J. Smith
Contact: Caroline Wilson, Interpretive Specialist
Operator: National Park Service

Open to youth groups and the general public. Day and multi-day programs. Open every day. Hours: 8-5 Annual budget $500K-1,000,000. 330,000 Acres. Camping. Fees charged for facility use.

Mission: National park offers hiking, backpacking, bird watching, plant study, and a chance to achieve wilderness experience.

Site and Program Features: Sonoran Desert is a beautiful national park with organ pipe cactus, and other Sonaran species of birds and animals.

(34)

Petrified Forest National Park

Box 217
Petrified Forest NP, AZ 86028
(602) 524-6228
Contact: Terry E. Maze, Supv. Park Ranger
Operator: National Park Service

Open to youth groups and the general public. Day programs. Open every day. Hours: 8-5 Extended hours spring-fall. Annual budget more than $1,000,000. 35 Full-time staff. 93,533 Acres.

Mission: Petrified Forest N. P. preserves a window to the geologic history of this planet. Through making people aware of this vanished landscape we can apply the principles to us today. This ecosystem vanished—why?

Site and Program Features: The end of the era of large reptiles and the beginning of the Age of Dinosaurs is at Petrified Forest N. P. Through opening visitors' eyes to a long-vanished scene, we are able to apply the basics to us today.

Unique Features: This is the largest concentration of petrified wood in the world. Remains of a Triassic environment of 225 million years ago are on our site.

(35)

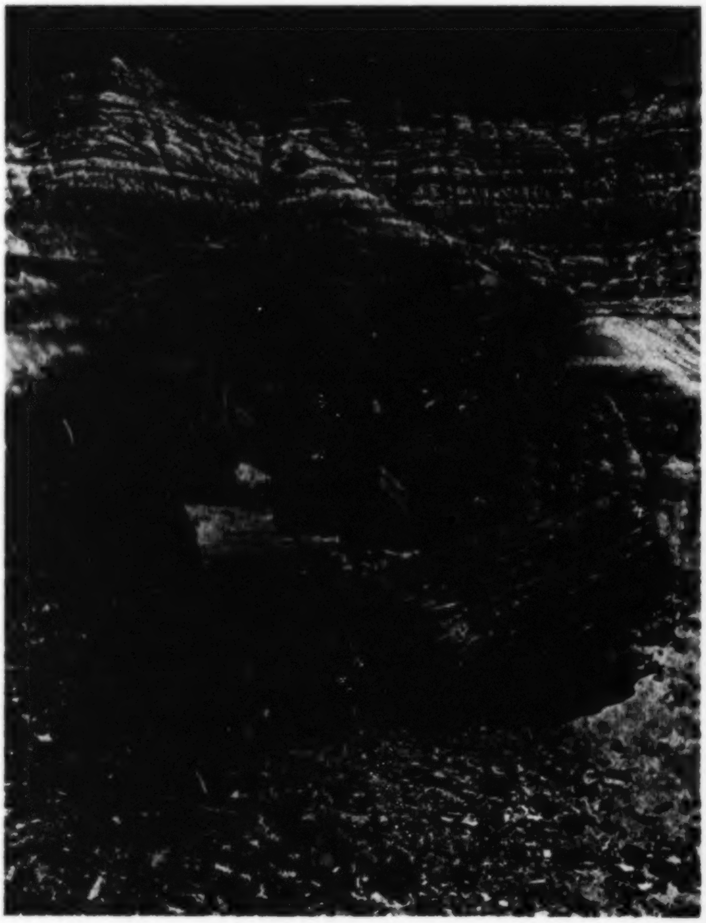
Project L.I.F.E.

3285 E. Sparrow
Flagstaff, AZ 86004
(602) 527-6100
Director: David Nebel
Operator: Flagstaff Public Schools

Open to youth groups. Conference facilities. Multi-day programs. Annual budget $50-100,000. 12 Part-time staff. 20 Acres. Lodging.

Mission: The Flagstaff Public Schools will provide an opportunity for every sixth-grade student to participate in Project L.I.F.E. This project will provide a curriculum based upon the environment of the San Francisco Peaks area and northern Arizona. This curriculum will be taught as a hands-on experience to develop an appreciation and understanding of our natural environment.

Site and Program Features: In the natural setting, students will learn of northern Arizona's unique natural resources and discover their own capabilities by participating in a variety of outdoor activities. Students will share their skills and strengths with others; accept responsibility for their actions; and increase their social skills by meeting other students and making new friends. In just one week, it is our goal to convince youngsters to think of themselves as partners with nature, not as conquerors of nature. We will be strengthening and changing attitudes that will be manifested in actions of understanding and co-existence, one with another and with nature.



(36)

Pueblo Grande Museum

4619 E. Washington St.
Phoenix, AZ 85034
(602) 275-3452
Director: David E. Doyel
Operator: City of Phoenix

Open to youth groups and the general public. Day programs. Open every day. Hours: M-Sat 9-4:45; Sun 1-4:45. Closed on major holidays. Annual budget $250-500,000. 5 Full-time staff. 100 Acres. Fees charged for facility use. Newsletter.

Mission: The purpose of Pueblo Grande Museum is to collect, preserve, interpret and display materials primarily from the site of Pueblo Grande, and secondarily, archaeological and ethnographic material from the Greater Southwest, thereby adding to the knowledge of prehistory, history and ethnology of selected Native American and ethnic groups, and promoting a greater understanding of other cultures past and present.

Site and Program Features: Pueblo Grande Museum features a self-guiding trail over the prehistoric Hohokam platform mound adjacent to the museum, and houses exhibits interpreting the people who lived here from about the time of Christ to 1450 A.D. Special exhibits highlight other Native American groups. Adult and child workshops give "hands-on" experience in traditional crafts, such as stone tool making, basket making, beadwork, pottery, and bows and arrows.

(37)

Reid Park Zoo

1100 S. Randolph Way
Tucson, AZ 85716
(602) 791-3204
Director: J. Stephen McCusker
Contact: Kerry Hoffman, Curator of Education
Operator: City of Tucson, AZ

Open to youth groups and the general public. Day programs. Open every day. Hours: M-Th 8:30-4 (3/19-9/17); Fri-Sun 8:30-6 Seasonal changes in schedule, 9/18-3/18 9:30-4. Annual budget $500-1,000,000. 3 Full-time staff. 15 Acres. Fees charged for facility use. Newsletter.

Mission: Humans currently think of the environment in economic terms. Our goal is to return a sense of wonder to our relationship with Mother Earth. We use contact animals, feelings, and lots of positive reinforcement to create a safe, nurturing atmosphere to help children establish an emotional bond with nature.

Site and Program Features: The 280 animals at Reid Park Zoo are housed in naturalistic exhibits which help us build the concept of interrelatedness in nature. Our volunteer teachers are selected for their ability to relate to children and for how they feel about the environment—not what they know. We concentrate on teaching concepts and feelings, not facts.

New friendships, trust, and mutual respect were found while rafting on the Delaware River. Photo by Ray Egan

(38)

Resource Center for Environmental Education

Box 3243
Flagstaff, AZ 86003
(602) 779-1745
Director: Sue Lowry

Open to youth groups and the general public. Open every day except Saturday, Sunday. Hours: 8:30-4:30. Closed summer. Closed on major holidays. Annual budget $50-100,000. 2 Full-time staff.

Mission: Our goal is to develop and foster in our youth an ethic of wise resource management that will carry through to their voting years. We accomplish this goal by (1) in-class programs, (2) teacher in-service training, (3) field trips, (4) outdoor classroom coordination, (5) curriculum development, (6) community liaison, and (7) a materials and reference library.

Site and Program Features: We are a grassroots program with a broadly based community support group. The program was started by a teacher as the outgrowth of a student outdoor classroom project.

(39)

Sabino Canyon, Coronado National Forest, Volunteer Naturalists

5700 N. Sabino Canyon Rd.
Tucson, AZ 85715
(602) 749-8700

Director: Steve Plevel
Contact: Jack Wilt, President, Vol. Naturalist
Operator: Coronado National Forest

Open to youth groups and the general public. Day programs. Open every day. Hours: Lobby open 8-4:30 daily. Env. Ed. activities suspended May-Sept. Annual budget less than $10,000. 6000 Acres.

Mission: The Sabino Canyon Volunteer Naturalists assist the U.S. Forest Service at the Sabino Canyon Recreation Area. They are especially trained to interpret the natural history of the Sonoran Desert and the unique riparian area of Sabino Creek. The primary goal in helping visitors, whether children or adults, is to help them appreciate and love, and therefore protect, this unique area.

Site and Program Features: Sabino Canyon Recreation Area is a perennial stream on riparian area surrounded by desert. It is situated at the base of the Santa Catalina Mountains, a part of the Coronado National Forest. The desert community of Tucson is a rapidly expanding urban area and the need for preservation of open space and natural areas for recreation is increasingly important to the quality of life of its residents.

Unique Features: A perennial stream and riparian environment in the Sonoran Desert.

(40)

Science Learning Center

Box 5697, Northern Arizona University
Flagstaff, AZ 86011
(602) 523-7160

Director: R. Tamppani

Open to youth groups. Day programs. Open every day except Saturday, Sunday. Hours: 8-5. Closed on major holidays. Annual budget less than $10,000. 3 Full-time staff. Newsletter.

Mission: The Science Learning Center is a unit of the College of Arts and Sciences at Northern Arizona. Our primary goals are to enhance science education at the undergraduate and graduate levels, and to provide services and resources for in-service teachers.

Site and Program Features: The Science Learning Center is an interdisciplinary unit with regular staff from the science disciplines and education. The Science Learning Center is able to draw upon university-wide resources to meet various needs.

SONORAN
ARTHROPOD
STUDIES, INC.
TUCSON, ARIZONA

(41)

Sonoran Arthropod Studies Inc.

P.O. Box 5624
Tucson, AZ 85703
(602) 884-7274

Open to youth groups. Day programs. Open every day except Monday. Hours: 11-4. Annual budget $50-100,000. 10 Acres. Newsletter.

Mission: SASI's mission is to foster an understanding of and appreciation for the arthorpods and the vital roles they play in our natural environment and by doing so demonstrate the interdependence of all living things, including humans. This mission is accomplished through educational programs, exhibits, publications and research.

Site and Program Features: SASI currently has a small Insect Zoo located at 2437 N. Stone Ave. in Tucson. A site in Tucson Mountain Park has been secured to develop an Arthropod Discovery Center. This facility will be an exhibition research station with nature trails and lab facilities for research focusing on the arthropods.

(42)

Sunset Crater National Monument

Rt. 3, Box 149
Flagstaff, AZ 86004
(602) 527-7042

Director: Larry Henderson
Contact: Todd Brindle, District Ranger
Operator: National Park Service

Open to youth groups and the general public. Open every day. Hours: 7-7 Winter: 8-5. Annual budget $100-250,000. 8 Full-time staff. Fees charged for facility use.

"Billy B" Brennen is one of many performers who captivate their audiences with an entertaining environmental education message. Flint Journal photo by Barry Edmonds.

(43)

Tohono Chul Park Inc.

7366 N. Paseo del Norte
Tucson, AZ 85704
(602) 742-6455
Director: Alice Cartey Herman

Open to youth groups and the general public. Day programs. Open every day. Hours: 7-sunset Annual budget $500K-1,000,000. 8 Full-time staff. 36 Acres. Newsletter.

Mission: Our mission is to preserve and safeguard a 36-acre tract of undisturbed desert located in a rapidly developing suburban area; to educate the public about the desert's resources, native plants and water conservation and to encourage commitments and appreciation of the desert's unique cultural heritage and environment.

Site and Program Features: Demonstration Garden—using native and aridland plants and natural materials in exhibit for home and business owners to utilize in their own environments; ethnobotanical garden—seasonal native crops; Water harvesting exhibit; geology wall—recreation of nearby mountain range with actual rocks and relationship accurately positioned; exhibit hall—changing exhibits and gallery presentations; Nature trails, interpretive ramadas, greenhouse, tea room, and gift shop. Over 400 arid climate plants arranged by genus and identified, many are rare and exotic. Plant propagation in greenhouse.

Unique Features: Our site is a beautiful section in close proximity to major cross streets, thus providing open space in a rapidly developing area.

(44)

Arkansas Museum of Science & History

503 E. 9th, MacArthur Park
Little Rock, AR 72202
(501) 371-3521

Director: Alison B. Sanchez
Contact: Debra Moore, Curator/Natural Sci. Ed.

Open to youth groups and the general public. Day programs. Open every day. Hours: M-Sat, 9-4:30; Sun 1-4:30. Annual budget $250-500,000. 7 Full-time staff. 40 Acres. Fees charged for facility use. Newsletter.

Mission: Our mission is to collect and preserve specimens, artifacts, and native live animals which are interpreted through exhibits, lectures, and other media. The museum serves as an informal educational resource center to advance public understanding of the natural, physical, and anthropological sciences, their interrelationships, humanistic significance, and relevance to the state of Arkansas.

Site and Program Features: Founded in 1927, the Arkansas Museum of Science and History is one of Arkansas' oldest museums. The museum houses 15,000 scientific and anthropological objects, and the building is listed on the National Register of Historic Places. Our environmental education programs have been nationally recognized.

Unique Features: The museum is housed in the only remaining structure of the Old Little Rock Arsenal (1836-1890). The building is located in a large city park.

Learning about human involvement in the life of a river adds another perspective to an environmental investigation. Photo courtesy of the Arkansas River Visitor Center, Arkansas.

(45)

Arkansas Post National Memorial

Rt. 1, Box 16
Gillett, AR 72055
(501) 548-2432

Director: D. L. Huggins
Operator: National Park Service

Open to youth groups and the general public. Day programs. Open every day. Hours: 8-5 Annual budget $100-250,000. 6 Full-time staff.

Mission: To interpret, protect and preserve the European history of the lower Mississippi valley region from 1682 through the Civil War period.

Site and Program Features: Self-guiding tour of the first capitol of the Arkansas Territory (1819-1821) with trail and wayside exhibits. Thirteen-minute film shown in 50-seat theater. Museum with exhibits depicting the culture of the early European settlers and explorers from 1680 through the Civil War and three slide shows on "Arkansas Post Today."

(46)

Arkansas River Visitor Center

Russellville Resident Office
Box 1087
Russellville, AR 72801
(501) 968-5008

Director: John L. Young
Contact: Lisa Hlass, Park Ranger
Operator: U.S. Corps of Engineers

Open to youth groups and the general public. Day programs. Open everyday. Hours: M-F 8-6; Sat-Sun. 10-6 3 Part-time staff. 46,000 Acres. Camping.

Mission: The Arkansas River Visitor Center, which interprets the Arkansas River, its development and the role of the Corps of Engineers in that development, is a part of the Lake Dardanelle Project Office, which manages Lake Dardanelle, 12,000 acres of land around the lake, 15 parks, and the 186-acre Bona Dea Trails and Sanctuary, managed jointly with the Arkansas Game and Fish Commission.

Corps functions at this project include navigation, hydropower generation, recreation and resource management. Interpretation and environmental education has a strong emphasis in our management philosophy, both to explain the role of the Corps of Engineers and to promote an environmental ethic and wise management of our public lands.

(47)

Bella Vista Historical Museum

1885 Bella Vista Way
Bella Vista, AR 72714
(501) 855-2335

Director: Ruby Miller
Contact: Larry Swaim, Coordinator
Operator: Bella Vista Historical Society

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: M-F 9-4; Sat-Sun 1-4 Annual budget $10-25,000. 1 Acre. Newsletter.

Visiting a recycling center encourages conservation and often helps clarify personal purchasing decisions. Photo courtesy of the Anniston Museum of Natural History.

(48)

Good Earth Assoc. Inc.

202 E. Church St.
Pocahontas, AR 72455-2899
(501) 892-9545 or 8329
Director: Donald L. Waterworth
Contact: Mary J. Stokes

Open every day April-Nov. Annual budget less than $10,000. 180 Acres. Newsletter.

Mission: The Good Earth Association, Inc., a nonprofit, tax-exempt membership association, was organized to maintain, operate, and display historical farm equipment in a living farm museum setting for the enjoyment and educational benefit of its members and the general public.

Site and Program Features: The Association also exists to aid and assist its members as well as other individuals and groups in developing the skills necessary to operate a low-technology, self-sustaining family farm. Not least, it serves to promote an understanding of the important part that the good earth has had–and will in the future have–on our lives.

(49)

Hampson Museum State Park

P.O. Box 156
Wilson, AR 72395
(501) 655-8622
Contact: Corinne Fletcher, Supt.
Operator: State of Arkansas State Parks

Open to youth groups and the general public. Day programs. Open every day except Monday, Sunday. Hours: 9-5 Closed on major holidays. Annual budget $25-50,000. 2 Full-time staff. 4 Acres. Fees charged for facility use.

Mission: Our goal is the preservation of our collection, interpretation of the collection and education of the public about the collection; i.e., the material culture of the late Mississippian Nodena Phase mound builders.

Site and Program Features: Hampson Museum houses the unique collection of the late Dr. J. K. Hampson. Dr. Hampson was interested in the material culture of a local prehistoric Indian culture. The collection contains ceramics, lithics, jewelry, and other samples of Nodena Phase material culture.

(50)

Jefferson County Historical Museum

Jefferson County Courthouse
Barraque & Main
Pine Bluff, AR 71601
(501) 541-5402
Director: Sue Trulock
Contact: Linda Richardson, Curator

Day programs. Open every day except Saturday, Sunday. Hours: 9-5 Seasonal changes in schedule.. Closed on major holidays. Annual budget $10-25,000. 2 Full-time staff. Newsletter.

Mission: The goal and mission is to collect, preserve, interpret, and display artifacts, photographs and documents or any type item pertaining to the history of Jefferson county and its people. This institution shall promote programs which develop a better awareness and appreciation of our county and state.

Site and Program Features: Our strength is that we are a museum solely committed to preserving the history of our county, which no other institution in the county is doing. Our location is in a reconstructed part of an 1850 courthouse. Also on this site was a Civil War battle "The Battle of Pine Bluff."

(51)

Lake Ouachita Field Office

U.S. Army Corps of Engineers
P.O. Box 4
Mountain Pine, AR 71956-0004
(501) 767-2101 FAX: (501) 767-4952
Contact: Brenda Meeks, Resource Manager

Open to youth groups and the general public. Conference facilities. Multi-day programs. Open every day. Seasonal changes in schedule. Annual budget more than $1,000,000. 20 Full-time staff. 25,000 Acres. Lodging. Camping.

Mission: Our goal is natural resource management and protection. The project is a 40,000-acre lake formed by damming the Ouachita River. It also includes 25,000 acres of forest land. There are facilities here for flood control hydropower generation, etc.

Site and Program Features: Our site features a rolled earth-filled dam, hydropower electric power generation plant, unique geologic features, 40,000-acre clear water lake, handicapped trail, fishing pier, campsites, etc.

Unique Features: Water quality, geology of the area, geo-float trail (access by boats).

(52)

Meadowcreek Project

Fox, AR 72051
(501) 363-4500
Director: Dr. David Orr
Contact: Pat Muntz, Ed. Programs Coordinator
Operator: Meadowcreek Project Inc.

Open to youth groups and the general public. Conference facilities. Day and multi-day programs. Open every day except Saturday, Sunday. Hours: 8-5. Annual budget $100-250,000. 8 Full-time staff. 1500 Acres. Lodging. Camping. Fees charged for facility use. Newsletter.

Mission: At Meadowcreek, we recognize that the natural world is both finite and fragile, that all life forms are intimately connected. From there, questions follow: How does this web of dependence affect the way we unearth and pass along knowledge? The way we farm? Build? Or conduct business? In brief, what do we need to know to advance life, rather than destroy or degrade it? At Meadowcreek, we take an integrative approach. We join together as curriculum ecologically sound resource management, renewable energy systems, architectural design, and rural economic development. All of this in a 1,500-acre setting.

(53)

Pea Ridge National Military Park

Pea Ridge, AR 72751
(501) 451-8122
Director: Jim Gott
Contact: Billy Stout, Park Ranger Chief
Operator: National Park Service

Open to youth groups and the general public. Day programs. Open every day. Hours: 8-5 Annual budget $250-500,000. 11 Full-time staff. 4300 Acres. Fees charged for facility use.

Mission: Our mission is to foster public understanding and appreciation of the Battle of Pea Ridge and its significance in the Civil War. To reach every visitor who comes to Pea Ridge. The challenge is to effectively communicate interpretive messages to a wide spectrum of visitors through special programs as needed. To present factual material in such a manner that will aid visitors in gaining insight into the hardships and difficulties experienced by civilians and military personnel during and after the conflict.

Site and Program Features: Pea Ridge National Military Park was dedicated (authorized) in 1956 to commemorate the Civil War battle that saved the state of Missouri for the Union. The site consists of a visitor center with exhibits relating to the Civil War west of the Mississippi. The Elkhorn Tavern has been restored to its 1880s appearance and served as a field hospital for both sides during the battle. Pea Ridge was the only battle of the Civil War in which American Indians fought as regular regiments (approximately 1,000 Cherokees in two regiments).

(54)

Stuttgart Agricultural Museum

921 E. Fourth St.
Stuttgart, AR 72160
(501) 673-7001
Director: Helen L. Boyd
Operator: City of Stuttgart

Open every day except Monday. Hours: T-Sat 10-12, 1-4; Sun 1:30-4:30 Closed on major holidays. Annual budget $50-100,000. 4 Full-time staff. Newsletter.

Mission: Our purpose is to promote, through the establishment and maintenance of a museum and allied projects, a program which will bring about better understanding and appreciation, by the children and adults of history, art, the natural and social science of the Grand Prairie of Arkansas area.

Site and Program Features: Exhibits shown in the museum show how the prairie farmer lived, worked and played. Rice agriculture from its beginning is described and the evolution of farm machinery-horse drawn to $125,000 combine is shown, both with artifacts and slides. Waterfowlers' Wing is part of agricultural history, too, since ducks destroyed rice crops; but today hunting is regulated to protect the species.

Unique Features: The museum suggests a visit to the Roth Virgin Prairie which is 3 miles southwest of our building. The museum has photos of prairie wildflowers. Also has specimens of prairie grasses. In the Waterfowlers' exhibit is simulated water with 37 ducks in flight or on a pond. Ducks calls from Ornithology lab at Cornell; tapes on habitat, mating habits, clutches and any other information to serve as an educational tool.

(55)

Toltec Mounds Archeological State Park

#1 Toltec Mounds Rd.
Scott, AR 72142
(501) 961-9442
Director: Jack Pratt
Operator: Arkansas Dept. of Parks and Tourism

Open to youth groups and the general public. Conference facilities. Day programs. Open every day except Monday. Hours: T-Sat 8-5; Sun 12-5 Closed on major holidays. Annual budget $100-250,000. 2 Full-time staff. 180 Acres.

Mission: Our mission is to protect this important archeological site, to study what it can tell us about the people who built the city, to teach others about what we have learned, and to serve the needs of our visitors.

Site and Program Features: This site is the governmental and religious center for a great Indian Nation. Their efforts to build 18 mounds and a mile-long wall demonstrate the importance of this city. Our programs attempt to explain what the archeological evidence can tell us about these powerful people.

Unique Features: The site contains the remains of 18 earthen mounds, two of which are nearly 50' tall. This site was the most important city in Arkansas 1,000 years ago.

A well-done nature center has focal points of interest, such as this "Baylands Interpretation" exhibit demonstrates. Photo courtesy of Coyote Point Museum, by Ernest Braun (write-up, p.23).

(56)

Astrocamp

P.O. Box 1360
Claremont, CA 91711
(714) 949-0687 FAX: (714) 981-4746
Director: Ross Turner
Operator: Guided Discoveries Inc

Open to youth groups. Multi-day programs. Open every day except Sunday. Annual budget more than $1,000,000. 8 Full-time staff. 40 Acres. Lodging.

Mission: Astrocamp's goals are to guide the students through an exploration of the universe and to gain an understanding of its components and to stimulate the students' curiosity and excitement for learning science through outdoor "hands-on" activities.

Site and Program Features: Astrocamp is an outdoor environment surrounded by 40 acres of beautiful pine forest. Students receive individualized attention from highly qualified instructors. Students learn the physical and earth sciences by active participation while they are exposed to the technologies that have been developed through space exploration.

(57)

Audubon Canyon Ranch

4900 Hwy.
Stinson Beach, CA 94970
(415) 868-9244
Director: Maurice A. Schwartz
Contact: Nancy Angelesco, Officer Supervisor

Open to youth groups and the general public. Day programs. Open Saturday, Sunday. Hours: 9-4 Only open to public mid-March - mid-July. Annual budget $500K-1,000,000. 9 Full-time staff. 1014 Acres. Newsletter.

Mission: Audubon Canyon Ranch strives to preserve key lands as sanctuaries for native plants and animals; to educate the public about the natural world and conservation ethics; and to increase knowledge of ecology through appropriate research.

Site and Program Features: Audubon Canyon Ranch manages and protects three major wildlife preserves in northern California: Bolinas Lagoon Preserve (nesting grounds for great blue herons and great and snowy egrets); Bowerie Audubon Preserve (open to public by appointment only); and Cypress Grove Preserve (research center on Tomales Bay).

For many nature centers, interns become key personnel as facilitators and group leaders. Photo by Mary Weyer

(58)

Bay Model Visitor Center

2100 Bridgeway
Sausalito, CA 94965
(415) 332-3871
Director: Daphne Derven
Contact: Chris Gallagher, Park Ranger
Operator: U.S. Army Corps of Engineers

Open to youth groups and the general public. Conference facilities. Day programs. Open every day except Monday, Sunday. Hours: 9-4 Summer: T-F 9-4; Sat-Sun 10-6 Closed on major holidays. 5 Full-time staff. 5 Acres.

Mission: The San Francisco Bay and Delta Model is a scientific tool used by engineers, scientists, and planners to analyze problems that cannot be resolved through textbooks, experience or mathematical models alone. The action in the model is similar to the Bay and Delta. The model reproduces (to the proper scale) the rise and fall of tide, flow and current of water, mixing of salt and fresh water.

Site and Program Features: Programs and tours are available to enhance student's and public's visit. Examples of these topics include engineering, hydrology, geography and environmental concerns pertinent to the Bay and the delta. Formats are general or specific in content depending on the group's interest.

(59)

Black Diamonds Mines

Rt. 1, Box 1402
Antioch, CA 94509
(415) 531-9300
Operator: East Bay Regional Park District

Open to youth groups and the general public. Day programs. Open every day. Hours: 8-dusk No mine programs in December. 8 Full-time staff. 4000 Acres.

Site and Program Features: The museum is located in a 3,612-acre preserve with historic cemetery, 22 miles of trails and historic townsites. Park naturalists conduct a variety of programs relating to the park's natural, historical and cultural resources. Brochures are available at the information panel located in the parking area.

(60)

Cabrillo Marine Museum

3720 Stephen White Dr.
San Pedro, CA 90731
(213) 548-7563
Director: Dr.S.Lawrenz-Miller
Operator: City of L.A. Rec. & Parks

Open to youth groups and the general public. Day programs. Open every day except Monday. Hours: T-F 12-5 (tours 10-12); Sun 10-5. Seasonal changes in schedule. 13 Full-time staff. Newsletter.

Mission: Increase public awareness through exhibits, aquariums, programs on the marine environment of southern California.

Site and Program Features: Located on the beach, Cabrillo Marine Museum offers an informal and personal approach to learning about marine sciences.

(61)

California Academy of Sciences

Golden Gate Park
San Francisco, CA 94118
(415) 221-5100 FAX: (415) 750-7346
Director: Dr. John McCosker
Contact: David Shaw, Public Info. Officer

Open to youth groups. Day programs. Open every day. Hours: 10-5 July 4-Labor Day 10-7. Annual budget $500K-1,000,000. Fees charged for facility use. Newsletter.

(62)

California Marine Mammal Center

Marin Headlands, GGNRA
Sausalito, CA 94965
(415) 331-0161
Director: Peigin Barrett
Contact: Leslie Grella, Education Director

CALIFORNIA MARINE MAMMAL CENTER
415·331-SEAL

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: 10-4. Annual budget $500K-1,000,000. 8 Full-time staff. 7 Acres. Newsletter.

Mission: The California Marine Mammal Center is a rescue and rehabilitation center for sick, injured and distressed marine mammals that strand along the northern California coast. The center established an education department with the realization that the solution to many marine environmental and marine mammal problems lies through understanding.

Site and Program Features: The center offers education programs for people of all ages. Programs range from on-site observation of our seal and sea lion patients, to coastal excursions, classroom visits, community talks, and a summer marine camp.

(63)

YMCA Camp Marston

7510 Clairemont Mesa B
San Diego, CA 92111
(619) 292-5942 FAX: (619) 292-0045
irector: Lowell Lindsay
Contact: Doreen Dumas, Administrative Asst.

YMCA
IT'S FOR EVERYBODY

Open to youth groups and the general public. Conference facilities. Multi-day programs. Open every day. Annual budget $500K-1,000,000. 7 Full-time staff. 300 Acres. Lodging. Camping. Fees charged for facility use.

Mission: YMCA camping creates a sense of community and helps campers realize their fullest potential in body, mind and spirit as children of God through trained leadership in the natural environment. Goals derived from the mission are: a sense of natural community (cabin to camp to hometown to whole earth), personal development (through outdoor living and learning skills), spiritual growth (as campers come closer to God and the natural creation), leadership development (through progressive responsibility levels), and environmental responsibility (through understanding ecological systems).

Site and Program Features: Our program offers integrated study units and exciting recreational activities in a beautiful mountain setting neat the picturesque town of Julian, California. It is a comprehensive environmental education experience that encourages self-confidence, leadership abilities, and respect for others and the natural world. The Camp Marston program can be customized to meet student and teaching needs. Special features include Lake Jessop, the ropes challenge course and swimming pool on 300 acres, nestled in oak woodlands in the high mountain heart of San Diego's historic goldrush country.

(64)

Camp O-Ongo

30777 Hwy. 18, P.O. Box 60
Running Springs, CA 92382
(714) 867-7041
Director: Tom Preston

Open to youth groups. Conference facilities. Day programs. Open every day. Annual budget $500K-1,000,000. 4 Full-time staff. 75 Acres. Lodging. Fees charged for facility use. Newsletter.

(65)

YMCA Camp Ravencliff

4197 Lakeside Dr., Suite 150
(Winter address)
Richmond, CA 94806
(415) 222-9622
Director: Lawrence Olson
Operator: West Contra Costa YMCA

Open to youth groups and the general public. Conference facilities. Multi-day programs. Open every day. Annual budget $100-250,000. 1 Full-time staff. 67 Acres. Lodging. Fees charged for facility use. Newsletter.

(66)

Camp Stevens

P.O. Box 2320
Julian, CA 92036
(619) 765-0028
Director: Peter Bergstrom
Contact: John Horton, Associate Director
Operator: Episcopal Dioceses of L.A. & San Diego

Open to youth groups. Conference facilities. Multi-day programs. Open every day. Seasonal changes in schedule. Annual budget $250-500,000. 4 Full-time staff. 75 Acres. Lodging. Camping. Fees charged for facility use. Newsletter.

Mission: The goal of Camp Stevens is to help the individual relate to God as: a responsible member of a Christian community; a caretaker of God's creation, a creative human being.

Site and Program Features: Located only 1 hour from San Diego, 3 hours from L.A., Camp Stevens is especially suited for environmental education. The camp sits on the eastern edge of the coastal range, which within miles, drops into the desert. Here, many environments meet and transition describes much of what you see. Programs are designed and staffed for small groups.

"It feels like wiggly rubber!" A compliant snake and an open mind can erase fears and myth in a few friendly moments. Photo courtesy of The Oregonian, by Bruce McCurtain.

(67)

Carter House Natural Science Museum

P. O. Box 185
Redding, CA 96099
(916) 225-4125
Director: Marcia Howe
Operator: City of Redding/Shasta Natural Science

Open to youth groups and the general public. Day programs. Open every day except Monday. Hours: 10-5 Closed on major holidays. Annual budget $250-500,000. 3 Full-time staff. Newsletter.

(68)

Catalina Island Marine Institute

Box 1360
Claremont, CA 91711
(714) 949-0687 FAX: (714) 981-4746
Director: Ross Turner
Operator: Guided Discoveries Inc.

Open to youth groups. Conference facilities. Multi-day programs. Open every day. Seasonal changes in schedule. Annual budget more than $1,000,000. 40 Full-time staff. 90 Acres. Lodging.

Mission: Catalina Island Marine Institute (CIMI) is a nonprofit outdoor educational organization dedicated to inspiring environmental awareness in people of all ages through experiential and "hands-on" programs in marine biology and terrestrial ecology. Participants learn by getting "immersed" literally and figuratively in the environment through snorkeling, hiking and laboratories.

Site and Program Features: Located just 21 miles across the sea from Los Angeles, CIMI is located in a pristine natural setting on Santa Catalina Island. Snorkeling trips and island ecology hikes replace classrooms and touch tanks are substituted for textbooks. Staff-to-student ratio is 1:15. All instructors possess at least a B.A., are expert snorkelers, naturalists and leaders.

Unique Features: CIMI is located at Toyon Bay, Santa Catalina Island. This beautiful cove has a blend of protected marine environment with natural island interior.

(69)

Charmlee Natural Area Park

2577 S. Encinal Canyon Rd.
Malibu, Ca 90265
(213) 457-7247
Director: Matt Kouba

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: 9-5 Annual budget $50-100,000. 1 Full-time staff. Camping. Newsletter.

Site and Program Features: Located in the rugged Santa Monica mountains above Malibu, Charmlee Park encompasses 461 acres of live oak woodlands, coastal sage scrub and grassy meadows. The west slope of the park affords a beautiful panorama of the Pacific Ocean, and in the spring the meadows and hillsides present a dazzling wildflower display. Formally opened to the public in 1981, permanent facilities at Charmlee include vehicle access, a nature center/museum and picnic grounds with tables. Recreational opportunities include day-hiking, picnicking, birding and photography.

(70)

Cibola National Wildlife Refuge

Box AP
Blythe, CA 92226
(602) 857-3253
Director: Wesley Martin
Contact: George Morrison, Outdoor Recreation Planner
Operator: U.S. Fish & Wildlife Service

Open to youth groups and the general public. Open every day except Saturday, Sunday. Hours: 7:30-11:30; 12-3:30 Closed on major holidays. Annual budget $100-250,000. 3 Full-time staff. 13,700 Acres.

Mission: Cibola National Wildlife Refuge is a mitigation measure to replace the wildlife habitat lost due to the channelization of the Colorado River. As such, the refuge attempts to replace lost habitat by water control on remaining marsh lands and the growing of food crops to benefit waterfowl in particular.

Site and Program Features: Cibola draws the largest concentration of Canada geese along the Colorado River. At times, 20-25,000 of the large waterfowl may be seen spending some of the winter season on the refuge. The most spectacular event is the evening fly in as the geese come from 20-30 miles away to roost for the night on Cibola Lake.

Unique Features: Through channelization, the Colorado River lost much of its wild character is this region. However, a series of lakes and marshes cut off from the new channel provide an unparalleled marsh habitat benefitting a wide range of wildlife.

(71)

City of Palo Alto Junior Museum

1451 Middlefield Rd.
Palo Alto, CA 94301
(415) 329-2111
Contact: John M. Walton, Acting Supervisor

Open to youth groups and the general public. Day programs. Open every day except Monday. Hours: T-F 10-12, 1-5; Sat. 10-5; Sun. 1-4 Closed on major holidays. Annual budget $100-250,000. 5 Full-time staff. 3500 Acres.

Mission: To help people of all ages develop a sense of wonder about the world in which they live. To have a special place for children (the Junior Museum) where children can develop an understanding of their world through art and nature.

Site and Program Features: The Junior Museum and two nature interpretive centers are operated as a part of the City of Palo Alto's Open Spaces and Sciences Division. Program locations include a diversity of habitats, from estuarine salt marsh to redwood forest, as well as a children's museum and zoo.

Unique Features: Lucy Evans Baylands Nature Interpretive Center is in a 2,000-acre nature preserve, salt marsh habitat. Foothills Park Nature Interpretive Center is in a 1,500-acre nature preserve.

The visual impact of a building often sets the stage for what will be found inside.

(72)

Coyote Hills Regional Park

8000 Patterson Ranch Rd.
Fremont, CA 94536
(415) 795-9385
Director: Ira Bletz
Contact: Betty Knight, Secretary
Operator: East Bay Regional Park District

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: 9-4:30. Visitor center. Annual budget $250-500,000. 3 Full-time staff. 1000 Acres. Camping. Newsletter.

Mission: One of the main goals of our park is to provide nature education for families, school groups, and the general public. We offer weekend programs throughout the year, including birdwalks, tours to the Indian Mound and reconstructed Indian Village, snake talks, and much more. We also offer week-day programs to school groups that make reservations.

Site and Program Features: Coyote Hills Regional Park is a wildlife sanctuary. Its resources include grassy hills, freshwater marshes, seasonal wetlands, fallow fields and willow runs. In the winter and during migration, thousands of birds may be seen feeding or resting in the park. Trails go through all of the major habitat areas, with a boardwalk through the marsh. Another special feature of the park is a preserved Indian Shellmound site and a reconstructed Indian Village which is accessible by tours.

Unique Features: Coyote Hills Regional Park has many unique physical features. Located within the park is the best preserved Indian Shellmound site in the Bay area. Also, the grassy hills near the bay, the largest freshwater marsh in Alameda County, seasonal wetlands, fallow fields, and willow runs make this park home to a wide variety of wildlife, while at the same time provide an educational and recreational opportunity for families, school groups, and the public.

(73)

Coyote Point Museum

Coyote Point
San Mateo, CA 94401
(415) 342-7755
Director: Linda Liebes

Open to youth groups and the general public. Day programs. Open every day except Monday, Tuesday. Hours: W-F 10-5; Sat-Sun 1-5. Annual budget $500K-1,000,000. 12 Full-time staff. 400 Acres. Fees charged for facility use. Newsletter.

Mission: The purpose of Coyote Point Museum is to present programs which increase knowledge and appreciation of the natural environment, with particular emphasis on the Bay area; and to assist Bay Area residents in setting priorities for the future.

Site and Program Features: Overlooks San Francisco Bay; nearby marsh; 8,000 square foot exhibit which takes visitor on "walk" across the San Francisco Peninsula through the baylands, chaparral, oak woodland, redwood forest, grasslands and coast; observation hive, small aquarium, computer games, dioramas. Docent tours, lecture series, student science fair, mushroom fair, etc. The strength of our program is a combination of dedicated staff, a state of the art environmental exhibit, and a strong purpose.

(74)

Crab Cove Visitor Center and Marine Reserve

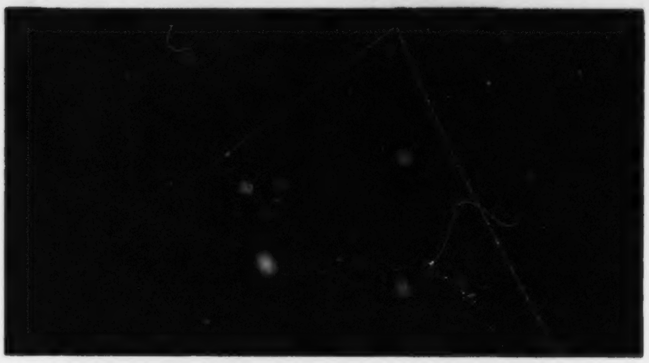
1252 McKay Ave.
Alameda, CA 94501
(415) 521-6887
Director: Marilyn Nishio
Contact: Savina Fazio, Naturalist
Operator: East Bay Regional Park District

Open to youth groups and the general public. Day programs. Open every day except Monday, Tuesday. Hours: 10-4:30 March-November; T by reservation. Annual budget $100-250,000. 8 Part-time staff. 40 Acres. Newsletter.

Mission: To interpret the natural and cultural history of San Francisco Bay and the marine environment through innovative educational programming. Also, to aid in the understanding of environmental problems facing San Francisco Bay.

Site and Program Features: Crab Cove was the first estuarine marine reserve established in California. Our visitor center has exhibits and a large saltwater aquarium. We provide naturalist programs on a variety of marine topics to schools, organized groups and the general public. Self-guiding "Adventure Packs" are also available for loan.

Unique Features: We are located within Robert Crown Memorial State Beach.



Reflecting peace and harmony with the world around it, a nature center can make an environmental statement without a word being spoken. Photo courtesy of Tilden Nature Center, East Bay Regional Park District, by Cooney Studio

(75)

Crow Canyon Institute/Crow Canyon Gardens

20 Boardwalk
San Ramon, CA 94583
(415) 837-9387
Director: Kerry Marshall
Contact: Becky Daniel, Ed. Coordinator

Open to youth groups and the general public. Day programs. Open every day. Hours: M-F 9am-10pm; Sa 9am-12pm; Su 10am-9:30p Seasonal changes in schedule. Annual budget less than $10,000. 1 Part-time staff. 9 Acres. Newsletter.

Mission: Crow Canyon Institute/Crow Canyon Garden's goals are to demonstrate self-sufficient, environmentally appropriate practices in the operation of a production organic garden, garden restaurant and nature park.

Site and Program Features: Crow Canyon Institute/Crow Canyon Gardens is situated on 10 acres within the San Ramon Valley in northern California. We operate a 2 1/2-acre organic production garden which creates fresh produce, fruit, herbs and flowers for our garden restaurant. Adjoining the gardens and restaurant is a 5-acre riparian creek canyon nature park. Throughout the year we sponsor classes, workshops, tours and a special summer nature camp.

Unique Features: A 3/4-acre garden is on the site where fruits, nuts, vegetables, herbs and flowers are used at the adjacent restaurant. A woodland nature park is behind the garden and it has a year-round running creek, woodlands and grassland areas.

(76)

A Day in Nature

1490 Sacramento St., #4D
San Francisco, CA 94109
(415) 673-0548
Director: Colin L. Sloan

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: 10-7 Seasonal changes in schedule. Annual budget less than $10,000. 73,000 acres. Fees charged for facility use.

Mission: To introduce strangers to local marine and terrain environment in a comfortable non-strenuous, non-threatening way.

Site and Program Features: Remarkable visible geologic features; close proximity to San Francisco (5-10 miles).

(77)

Dept. of Environmental Studies & Planning

Sonoma State Univ.
Rohnert Park, CA 94928
(707) 664-2306
Director: W. J. Rohwedder

Open to youth groups and the general public. Conference facilities. Day programs. Open every day except Saturday, Sunday. Hours: 8:30-4:30. Closed on major holidays. Annual budget $50-100,000. 5 Full-time staff. 150 Acres. Newsletter.

Mission: The department was founded as an interdisciplinary program in 1972 during a period of growing environmental concern and today stresses (1) the development of a global perspective by synthesizing knowledge from a variety of scientific and academic disciplines, (2) the acquisition of specific professional skills through a focused course of study, and (3) the application of knowledge and skills through effective strategies for environmental management.

Site and Program Features: The department maintains several valuable learning environments and facilities on campus. They include: (1) The Energy Center—an energy-efficient education and demonstration center which serves the campus and surrounding community; (2) The Classroom Garden—a food production garden designed for teaching and learning; (3) The SSU Botanical and Native Plant Garden—a showcase of diverse California plant communities; (4) The ENSP Resource Center—a "check out" center containing equipment for environmental investigation and research as well as a book and map library; and (5) The Institute for Community Planning Assistance—a research arm of the department.

(78)

The Discovery Center

1944 N. Winery Ave.
Fresno, CA 93703
(209) 251-5533
Director: Jeanne Larson

Open to youth groups and the general public. Day programs. Open every day. Hours: Tues-Fri 9-5; Sat-Sun 11-5. Closed on major holidays. Annual budget $50-100,000. 1 Full-time staff. 6 Acres. Fees charged for facility use. Newsletter.

Mission: We believe in the lifelong learning of the principles of order which underlie the beauty and mystery of our universe. Therefore, we promote the personal exploration of the natural and physical world from which culture and technology derive.

Site and Program Features: All classes are held out-of-doors except for inclement weather and our cultural history program. Participatory exhibits, inside and out, encourage self-exploration. The urban forest with mature spreading trees, Walden pond, cactus garden and pine forest create areas for discovery and relaxation.

(79)

Eastman Lake

U.S. Army, Corps of Engineers
P.O. Box 67
Raymond, CA 93653
(209) 689-3255
Director: Carl Deming
Contact: Perry Crowley, Senior Park Ranger

Open to youth groups and the general public. Day programs. Open every day. Hours: 10-3. Seasonal changes in schedule. Annual budget $500K-1,000,000. 3300 Acres. Camping.

Mission: The objectives of our visitor center are as follows: (1) to present to the visitor the relationship between natural history and the cultural history of the area, (20 to tell the visitor about the purpose and value of the park, (3) to tell the story of the Corps of Engineers.

Site and Program Features: Our park exists in the middle of two eco zones: the grasslands and oak woodland. Within these 2 eco zones live a rich community of lichens and ancient Indian memories of long past.

(80)

Eaton Canyon

1750 N. Altadena Dr.
Pasadena, CA 91107
(818) 794-1866
Director: Mickey Long

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: 9-5 Annual budget $50-100,000. 1 Full-time staff. Camping. Newsletter.

Site and Program Features: Eaton Canyon Park is situated at the base of Mt. Wilson, along the southern flank of the rugged San Gabriel mountains. The 184-acre park contains elements of several plant communities, including chaparral, coastal sage scrub, oak woodland and remnant riparian growth.

The Eaton Canyon Nature Center complex contains many fine displays of local flora and fauna, ecosystem concepts and prehistoric animals. The Visitor's Center Room features live animals and other natural history objects, and may be visited throughout the week. Appointments are required for docent-guided nature programs on weekday mornings, and for student-naturalist conducted youth group activities weekday afternoons.

A skillful naturalist can captivate a mixed-age audience by modeling just the right touch of awe, reverence, respect and reality. Photo courtesy of Effie Yeaw Nature Center.

(81)

Effie Yeaw Nature Center

(In Ancil Hoffman County Park)
P.O. Box 579
Carmichael, CA 95609
(916) 489-4918

Director: Kris Stevens
Contact: Jackie Looney, Exhibits Coordinator
Operator: Sacramento County Parks Dept.

Open to youth groups and the general public. Day programs. Open every day. Hours: 9:30-5; Summer: longer hours + evening hours. Annual budget $100-250,000. 6 Full-time staff. 77 Acres. Newsletter.

Mission: Mission: (1) to create greater awareness, understanding and appreciation of the natural and cultural resources of the Sacramento region and the need to conserve them; and (2) to create greater awareness and understanding of the interrelationships and interdependencies among all living things and their environment.

Site and Program Features: The Effie Yeaw Nature Center has a 77-acre nature study area with 3 self-guided trails which lead visitors through riparian woodlands and meadows to the American River and ponds. An Indian cultural demonstration area has been constructed near the center and features day-long programs for children, as well as "skills" classes for adults. Nature programs for the public, schools and special groups are offered weekly throughout the year.

Effie Yeaw Nature Center

(82)

El Camino Pines Outdoor School

Star Rt., Box 995
Frazier Park, CA 93225
(805) 245-3519

Director: Steve Lee
Operator: Lutheran Bible Camp Assoc.

Open to youth groups and the general public. Conference facilities. Multi-day programs. Open every day. Annual budget $500K-1,000,000. 10 Full-time staff. 35 Acres. Lodging. Camping. Fees charged for facility use. Newsletter.

Mission: The El Camino Pines Outdoor School exists as an aid to curriculum enrichment and community building. Self-awareness and earth consciousness are stressed throughout the different programs. Students are introduced to the beauty of Creation and challenged to live whole and responsible lives. Spirituality in the environment is central.

Site and Program Features: El Camino Pines is located in the middle of the Los Padres National Forest on Mt. Pinos, elevation 6,400 feet. Curriculum includes: history of the Chumash people, photography, living history, community dynamics ropes course, water and forest ecology, creative writing, and eight other offerings.

(83)

Elkhorn Slough National Estuarine Research Reserve

1700 Elkhorn Rd.
Watsonville, CA 95076
(408) 728-2822

Director: Ken Moore
Contact: Mark Silberstein, Program Director
Operator: National Estuarine Research Reserve

Open to youth groups and the general public. Day programs. Open every day except Monday, Tuesday. Hours: 9-5. Annual budget $250-500,000. 3 Full-time staff. 1300 Acres. Fees charged for facility use. Newsletter.

Mission: The Elkhorn Slough National Estuarine Research Reserve helps protect one of California's premier wetlands. The 1,300-acre site has a visitor center/museum and over 5 miles of trails which wind through a variety of habitats. The reserve attempts to effect wise management of estuarine resources through research and education.

Site and Program Features: Elkhorn Slough is California's second largest tract of salt marsh after San Francisco Bay. It provides critical habitat to many wetland-dependent species and harbors five endangered species. With the non-profit Elkhorn Slough Foundation, the reserve provides a wide array of programs focusing on the importance of these coastal habitats. The reserve is managed by the California Dept. of Fish and Game in cooperation with NOAA.

Unique Features: Second largest tract of salt marsh in California. Monterey Submarine Canyon just offshore. Largest underwater canyon in North America. Site is adjacent to Monterey Bay.

(84)

Environmental Nature Center

1601 16th St.
Newport Beach, CA 92663
(714) 645-8489
Director: Robert House
Contact: Debra Clarke, Naturalist

Open to youth groups and the general public. Day programs. Open every day. Hours: Daylight hours. Annual budget $10-25,000. 2 Part-time staff. 3 Acres. Newsletter.

Mission: The Environmental Nature Center was organized by interested citizens to establish for the enjoyment and education of the residents of the Newport Harbor area and its surrounding communities, a natural leisure time retreat of native plants, wildlife, ponds, and walking trails which shall serve as a library of living, changing, and developing natural life of many California habitats.

Site and Program Features: In 2 1/2 acres, the ENC has established 13 representative native plant communities, i.e., desert, coastal sage scrub, chaparral, closed cone pine forest, mixed evergreen forest, southern oak woodland, foothill woodland, northern oak woodland, riparian woodland, valley grassland, coastal canyon and (Catalina) island flora.

Unique Features: The Environmental Nature Center is located in Newport Beach. It is planted in 13 representative California native plant communities with a man-made recycling stream and two ponds. When you are in the center you can easily forget that you are in the heart of the city.

(85)

Environmental Studies Area

9001 Stockdale Hwy.
Bakersfield, CA 93311
(805) 664-3021
Director: Dr. Ted D. Murphy
Operator: California State University, Bakersfield

Open to youth groups and the general public. Open every day except Sunday. Hours: By appointment. Annual budget $10-25,000. 1 Part-time staff. 40 Acres. Newsletter.

Mission: The Environmental Studies Area serves as an outdoor laboratory for science students and faculty of California State University, Bakersfield. Many opportunities are available for observing, collecting and experimenting with plants and animals. A raptor rehabilitation project (FACT--Facility for Animal Care and Treatment) on site is operated by students and other volunteers. The latter offers tours to hundreds of youth groups each year.

Site and Program Features: The ESA is a small preserve in a rapidly developing area that provides habitat for many native species including the endangered San Jacquin kit fox. This is a valuable resource for the university and the community.

(86)

Fairfield Osborn Preserve Environmental Education Program

6543 Lichau Rd.
Penngrove, CA 94951
(707) 795-5069
Director: Tim Henke
Operator: The Nature Conservancy

Open to youth groups and the general public. Conference facilities. Day programs. Open every day except Monday, Tuesday, Wednesday. Hours: Sunrise to sunset. Annual budget $10-25,000. 1 Part-time staff. 250 Acres. Newsletter.

Mission: The F.O.P. Environmental Education Program recruits and trains volunteer interns from local Sonoma State University and the community to lead educational hikes with local elementary kids. Through many E.E. techniques we stress the topics of interrelatedness, basic ecology, and the need for habitat using a hands-on approach.

Site and Program Features: The F.O.P. has unusual plant community diversity: oak woodlands, fir, grassland, marsh, ponds, stream, vernal pool and chaparral all within easy walking distance of each other. This makes it an ideal living classroom for elementary and college classes.

(87)

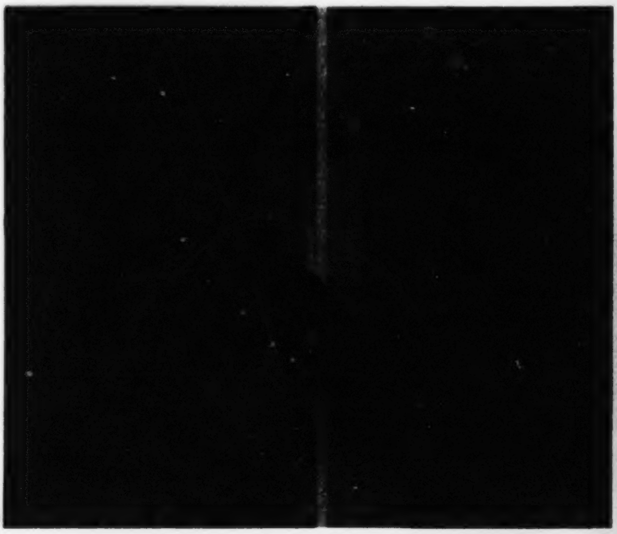
Fitzgerald Marinelife Refuge

P.O. Box 451
Moss Beach, CA 94038
(415) 728-3584
Director: Bob Breen
Operator: San Mateo County Parks

Open to youth groups and the general public. Day programs. Open every day. Hours: Sunrise-Sunset. Annual budget $50-100,000. 1 Full-time staff. 40 Acres. Newsletter.

Mission: To supplement the school's life science units. Concepts taught are adaptation and natural selection, habitats, niches, the animal phyla and animal diversity and food webs.

Site and Program Features: One of the most diverse intertidal regions in California. A type locality for 25 marine plant and animal species. A range limit for 49 species.



Supervising Naturalist Ira Bletz, East Bay Regional Park District, demonstrated interpretive methods for NSYF'S San Francisco Conference attendees. Photo by Michelle Slupski Sienkiewicz.

(88)

Foothill Horizons

21925 Lyons Bald Mountain Rd.
Sonora, CA 95370
(209) 532-6673
Director: Pam Diggle
Contact: George Stratman, Head Naturalist
Operator: Stanislaus County Dept. of Education

Open to youth groups and the general public. Conference facilities. Day and multi-day programs. Open every day. Closed Dec. 10-Jan. 10. Annual budget $250-500,000. 6 Full-time staff. 143 Acres. Lodging. Fees charged for facility use. Newsletter.

Mission: To help elementary students develop an understanding of our environment. To encourage them to develop good conservation habits in their daily lives. To help students live and work together in a positive and nurturing environment.

Site and Program Features: We have a modern site which includes a dining hall/kitchen facility which can provide for over 200 people at a given time. We can also accommodate up to 200 people in our dorms. We have many extras such as a ropes course, bird blind, blind walk, observation tower, Mc-Wuk village, etc. Our strength is our staff of well-trained individuals who are dedicated to the practical education of our students.

(89)

Fort Roosevelt

P.O. Box 164
Armona, CA 93202
(209) 582-8970
Director: Heidi Arroves
Contact: Audrey Trevaskis, Advisory Board Pres.
Operator: Hanford Elementary School Dist.

Open to youth groups and the general public. Day programs. Open every day. Closed Jan.-Feb. Annual budget less than $10,000. 1 Acre. Fees charged for facility use.

Mission: To promote an awareness of habitat and wildlife to all populations; provide hands-on approach; quality not quantity; to assist teaching community with activities not good in classroom.

Site and Program Features: Reptile and amphibian program, bilingual, mobile animal slide tours around the world. Panning for gold, house non-releasable wildlife, microscope programs. Strength - strong programs, variety and participation orientation. Self-esteem orientation.

Unique Features: Has 1890 freight depot as museum - old cabin (log).

(90)

Denver C. Fox Outdoor School

24102 Highway 76
Santa Ysabel, CA 92070
(714) 296-8935
Director: Sue M. Moore
Operator: San Diego County Office of Education

Open to youth groups. Conference facilities. Multi-day programs. Open every day. No Annual budget $250-500,000. 17 Part-time staff. 40 Acres. Lodging. Camping. Fees charged for facility use.

Mission: To provide an outdoor science experience for 6th grade students along with social living and environmental education.

Site and Program Features: Our site is located in a rural setting less than two hours from most of metropolitan southern California. The program provides a unique learning experience for elementary school students in science and social living.

(91)

Fullerton Arboretum

Yorba Linda Blvd & Assoc. Rd.
Fullerton, CA 92634
(714) 773-3579
Director: Dr. David L. Walkington
Operator: Cal State Univ./City of Fullerton

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: 8-4:45. Annual budget $250-500,000. 2 Full-time staff. 26 Acres. Newsletter.

Mission: To provide a quiet, esthetic retreat in the midst of a rapidly growing urban area; to provide the university and surrounding communities with a resource for environmental and historical education; and to encourage research and experimentation in horticulture, plant ecology and the conservation of natural resources.

Site and Program Features: A 26-acre oasis of beautiful trees, shrubs and flowering annuals with a waterfall, streams, a pond and a lake. A wide variety of birds, butterflies and other animals are attracted to this natural setting. A Victorian cottage located in the center of the Arboretum displays life at the turn of the century including a doctor's office, herb gardens and formal Victorian gardens.

Unique Features: A Victorian cottage called Heritage House in middle of arboretum surrounded by gardens; a carnivorous plant bog; a rare fruit tree orchard.

(92)

Gibson Ranch Camp

3711 Branch Center Dr.
Sacramento, CA 95827
(916) 366-2947

Director: Larry Lower
Operator: Sacramento County

Open to youth groups. Conference facilities. Open every day. 2 Part-time staff. Annual budget $25-50,000. 318 Acres. Lodging. Camping.

Mission: To teach an appreciation of the out-of-doors. To provide an opportunity to learn new skills. To teach history by living it.

Site and Program Features: We are a working model cattle ranch with all animals and facilities of an 1880 ranch.

(93)

Great Valley Museum of Natural History

1100 Stoddard Ave.
Modesto, CA 95350
(209) 575-6196

Director: Joseph Medeiros
Contact: Barbara Hickman, Program Director

Open to youth groups and the general public. Day programs. Open every day except Monday, Sunday. Hours: 9-4:30 Summer: 10-4; Closed August Closed on major holidays. Annual budget $100-250,000. 3 Full-time staff. 1 Acre. Newsletter.

Mission: The main goal of the Great Valley Museum is to educate the public in the natural sciences. This is accomplished through direct contact (classes and programs) and indirect contact (classes to educate educators).

Site and Program Features: The Great Valley Museum has a small exhibit area, and a large outreach program consisting of classroom presentations, lectures, classes, field trips, etc. The Museum also offers resources for local educators in the form of specimens, visual aids, and curriculum units.

Unique Features: Located in the heart of California's Central Valley. We focus on the different ecosystems found around this area, including alkali sinks, riparian, grassland and freshwater marsh.

(94)

Green Oak Ranch

California Outdoor School
1237 Green Oak Rd.
Vista, CA 92083
(619) 727-0251

Director: Stan Gibson
Contact: Patrick Regan, Head Naturalist
Operator: Union Rescue Mission of Los Angeles

Open to youth groups. Conference facilities. Day and multi-day programs. Open every day except Sunday. Seasonal changes in schedule. Annual budget $500K-1,000,000. 18 Full-time staff. 142 Acres. Lodging. Camping. Fees charged for facility use. Newsletter.

Mission: Our nature center is intended to be a place where people can restore a sense of wonder for creation, where we can develop respect and admiration for animals and plants found right here and throughout the world. We believe that God did create these things and expects us to care for them, and that the beginning of caring is in learning about something by seeing, touching, hearing, smelling and tasting.

Site and Program Features: Our nature center is staffed by two full-time professional naturalists. Within the 142-acre camp, the center occupies about 5 acres with a small zoo of native and domestic animals, guided nature trials, native plant gardens, outdoor and indoor classrooms, museum areas, and offices. Experience in the field and a first-rate facility allow our naturalists the flexibility to cater to any age group and special need.

Unique Features: Green Oak Ranch is located about 6 miles inland from the Pacific coast in northern San Diego county. A permanent, year-round flowing stream and hills and canyons encompassing a transition zone between coastal sage scrub and chaparral makes this a specially unique site for nature study.

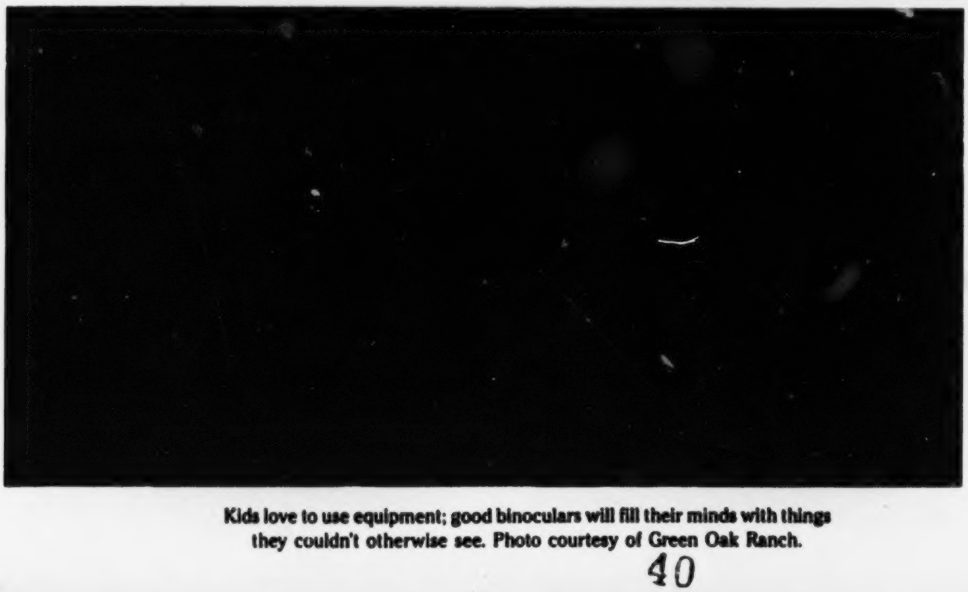
(95)

Griffith Observatory

2800 E. Observatory Rd.
Los Angeles, CA 90027
(213) 664-1181

Director: Dr. E. C. Krupp
Operator: City of L.A. Dept. of Rec. & Parks

Open to youth groups and the general public. Day programs. Annual budget $500K-1,000,000.



Kids love to use equipment; good binoculars will fill their minds with things they couldn't otherwise see. Photo courtesy of Green Oak Ranch.

(96)

Hartland Christian Camp

Genesis Account, California Outdoor Schools
P.O. Box 25
Badger, CA 93603
(209) 337-2349

Director: Ray Wiebe
Contact: Arnie Prieb, Assoc. Director

Open to youth groups and the general public. Conference facilities. Open every day. Closed Dec. 15-30. Annual budget $500K-1,000,000. 1 Full-time staff. 320 Acres. Lodging.

(97)

Havasu National Wildlife Refuge

Box 3009
Needles, CA 92363
(602) 326-3853

Director: James Good
Contact: George Morrison, Outdoor Rec. Planner
Operator: U.S. Fish & Wildlife Service

Open to youth groups and the general public. Open every day except Saturday, Sunday. Hours: 7:30-4 Closed on major holidays. Annual budget $250-500,000. 5 Full-time staff. 60,000 Acres.

Mission: The Havasu NWR is intended to provide wintering grounds for migratory waterfowl and other birds using the Colorado River corridor.

Site and Program Features: From November to April, the refuge is teaming with bird life and during that period most of the annual visitation occurs. To the casual observer, the waterfowl seem always to be there; however, you have to see the refuge in the winter period to really appreciate its significance.

Unique Features: The Topock Gorge, a 40-mile long, very narrow canyon of the Colorado River, is the most distinctive feature of the refuge. The gorge is a favorite for both boaters and canoeists.

(98)

Hayward Shoreline Interpetive Center

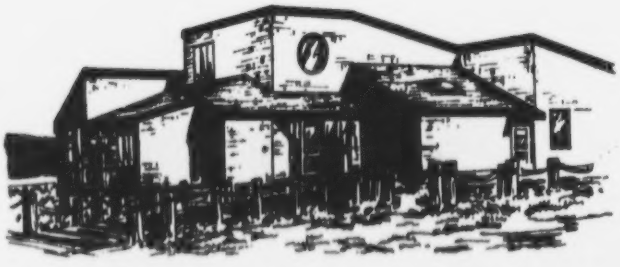
4901 Breakwater Ave.
Hayward, CA 94545
(415) 881-6751

Director: Mike Koslosky
Contact: Steve Cochrane, Directing Naturalist
Operator: Hayward Area Rec. and Park District

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: 10-5. Closed on major holidays. Annual budget $100-250,000. 3 Full-time staff. 82 Acres. Newsletter.

Mission: The purpose of the Hayward Shoreline Interpretive Center is to interpret the natural and cultural history of the area in programs attended by school groups, community groups, and the general public.

Site and Program Features: An exhibit area and laboratory classroom offer students and visitors an information, entertaining and hands-on experience while learning about wetland ecology. Naturalists lead programs to interpret habitats found along eight miles of hiking and bicycling trails.



Hayward Shoreline Interpretive Center

(99)

Idyllwild Visitor Center

54000 Hwy. 243
Idyllwild, CA 92349
(714) 659-3850

Director: Duane Lawson
Operator: County of Riverside

Open to youth groups and the general public. Day programs. Open every day except Monday. Hours: 9-5; Winter: 10-4. Annual budget $25-50,000. 1 Full-time staff. 202 Acres. Lodging. Fees charged for facility use.

Mission: To educate the public about local human and natural history. To develop a base of understanding in children and adults as to broader ecological concepts and general scientific principles as applied to the San Jacinto Mountains.

Site and Program Features: We have an excellent museum of Indian, pioneer and natural history exhibits. The park contains hiking/self-guided nature trails and picnic areas. We have a full range of programs presented, e.g., astronomy, bio-geography, birding, and nature photography.

(100)

Irvine Historical Museum

5 San Joaquin
Irvine, CA 92715
(714) 786-4112

Contact: Sue Ann Schappert, Volunteer Museum Manager

Open to youth groups and the general public. Day programs. Open Tuesday, Sunday. Hours: 1-5.

Mission: Irvine Historical Society was founded in 1976 to promote, educate, and preserve the history of the original Irvine Ranch area. The museum run by society opened in 1980. The museum is the oldest standing structure in city of Irvine and was once the cooking wing of the first sheep and cattle headquarters on the ranch.

Site and Program Features: Site of the second adobe built by Don Jose Sepulveda who received land as a Mexican land grant in 1831. Oldest structure on Ranch.

(101)

Jr. Center of Art and Science

3612 Webster St.
Oakland, CA 94609
(415) 655-3226
Director: Tammara G. Katsikas

Open to youth groups and the general public. Open every day except Sunday. Hours: Summer: M-Th 9-5; F 9-4. Closed on major holidays and School year: T-Sat 10-6 Annual budget $100-250,000. 1 Full-time staff. 13 Acres. Newsletter.

Mission: The Junior Center of Art and Science has offered children's art and science programs since 1954. Hands-on instruction for children ages 4-16 is designed to stimulate children's creative potential and encourage awareness of the wonders of our universe.

Site and Program Features: The center is housed, primarily, in a Gothic Victorian, built in 1854 offering students exposure to 19th-century architecture and design. Facilities include seven studios, a children's gallery and a nature studies "Discovery Room."

Unique Features: Facilities are set in a 13-acre wooded park with trees unique to the area. The facility is a two-story gothic Victorian built in 1854.

"Reaching" is one ambulator Dave Stokes uses to add rich possibilities to otherwise dead time while walking. His book, Reaching for Connections shares this original activity and many others, too. (See Schiltz Audubon Center, p.335.)

(102)

Jurupa Mountains Cultural Center

7621 Granite Hill Drive
Riverside, CA 92509
(714) 685-5818
Director: Ruth A. Kirkby
Contact: Victoria Blevins, Program Director

Open to youth groups and the general public. Day and multi-day programs. Open every day except Monday, Sunday. Hours: 8:30-5 Annual budget $100-250,000. 4 Full-time staff. 104 Acres. Newsletter.

Mission: To teach respect and responsibility for our earth and its inhabitants through our educational programs. To preserve the local heritage. To provide service for scientists for research. To provide opportunities for children to get fired up about the sciences. We offer special programs for the handicapped. The Jurupa Mountains Cultural Center is a unique operation with an earth science laboratory like no other.

Site and Program Features: An educational facility on the southern slopes of the Jurupa Mountains with giant dinosaurs on the side of the mountain. We have a 2,000-foot frontage along Highway 60. Tuesday through Friday we have field trips booked at least 1 year in advance; on Saturdays we offer families and individuals an opportunity for two special drop-in field trips at 9 a.m. and 10:30 a.m. Our earth science museum is open from 1-4 p.m. daily for drop-in visitors and from 10:30 to 5 on Saturday. Our operational center is open from 8:30 to 5 from Tuesday through Saturday. Because of the demand for field trips by groups, the grounds are closed except for pre-scheduled trips with a guide. We offer 50 different classes during the year.

(103)

Kern Environmental Education Program

P.O. Box 6091
Los Osos, CA 93412
(805) 398-3716
Director: Dr. Ben A. Bird
Contact: Lynne Haley, Head Teacher
Operator: Kern County Superintendent of Schools Office

Open to youth groups. Multi-day programs. Open every day except Saturday, Sunday. Hours: 11 am Monday - 12 pm Friday. Annual budget $250-500,000. 8 Full-time staff. 10 Acres. Lodging. Newsletter.

Mission: The aim of K.E.E.P. is to promote in participants an appreciation and understanding of the world in which we live and to promote the wise use of natural resources for the greatest good for the greatest number for the longest time.

Site and Program Features: K.E.E.P. is located in a diverse area of the California coast which offers tidepool, sand dune, riparian, estuary, forest and chaparral ecosystems for study and observation. Excellent personnel utilize good curriculum materials to make K.E.E.P. a long remembered experience for participating students.

(104)

Klamath Basin National Wildlife Refuge

Box 74
Tule Lake, CA 96134
(916) 667-2231
Director: Roger D. Johnson
Contact: Wm. C. Kent, Outdoor Rec. Planner
Operator: U.S. Fish & Wildlife Service

Open to youth groups and the general public. Day programs. Open every day. Hours: M-F 8-4;30; Sat.-Sun. 804 Annual budget less than $10,000. 2 Full-time staff. 180,000 Acres.

Mission: To convey the importance of the National Wildlife Refuges in the Klamath Basin to wildlife and humans. Wetland conservation benefits man as well as wildlife, and motivating our visitors to support this effort is of prime importance.

Site and Program Features: We provide an area where teachers can bring their classes and use it as an outdoor classroom. We have outstanding opportunities to develop some of our refuges into first class educational areas. Funding from Congress will always be a problem.

Unique Features: Six refuges (at 4,000' +) Protect remaining wetland with in the Klamath Basin of SE Oregon/NE California. Outstanding views of Mt. Shasta (CA) and Mt. McLoughlin (OR). Wintering bald eagles number 5-600 + ; nearly 1,000,000 waterfowl use area during migration.

(105)

Lake Tahoe Visitor Center

USDA Forest Service
P.O. Box, 731002 South
Lake Tahoe, CA 95731
(916) 573-2674
Director: Michael St. Michel

Open to youth groups and the general public. Day programs. Open every day. Hours: 8-6 Open Mem. Day week - end of October. Annual budget $50-100,000. 2 Full-time staff.

Mission: To provide interpretation for visitors and residents about the natural and cultural resources of the Lake Tahoe Basin and how the Forest Service is managing them. We also provide information about the recreation opportunities available at Lake Tahoe.

Site and Program Features: Watch rainbow trout, kokanee salmon and other aquatic life thorugh the underground windows of the stream profile chamber, located 2/3 mile down the Rainbow Trail from the visitor center. Also, walk the shores of Lake Tahoe on the Lake of the Sky Trail for some of the best views of this mountain lake.

(106)

Lava Beds National Monument

P.O. Box 867
Tulelake, CA 96134
(916) 667-2282 FAX: (916) 667-2284
Director: Doris Omondson
Contact: Gary Hathaway, Chief, Div. of Interp.

Open to youth groups and the general public. Day and multi-day programs. Open every day. Hours: 8-5 June 1 - Labor Day, 9-6. Annual budget $500K-1,000,000. 5 Full-time staff. 46,560 Acres. Camping. Fees charged for facility use. Newsletter.

(107)

Lawrence Hall of Science

University of California
Berkeley, CA 94720
(415) 642-5133 FAX: (415) 642-1055
Director: Dr. Marjorie Gardner

Open to youth groups and the general public. Day programs. Open every day. Hours: M-Sat 10-4:30; Sun 12-5, Closed on major holidays. Annual budget more than $1,000,000. 60 Full-time staff. 5 Acres. Fees charged for facility use. Newsletter.

Mission: The mission of the Lawrence Hall of Science (LHS) is to improve science literacy by providing a strong, practical understanding of science and math. LHS has pioneered "hands-on" learning to capture the sense of wonder that science inspires. A goal of the Hall is to improve science teaching in the schools through the development of instructional materials, classroom activities, and teacher training. As a public science center, it seeks to improve science literacy of the general public through a variety of public programs.

Site and Program Features: Workshops, classes, and exhibits encourage natural curiosity, develop critical thinking, and spark future learning by using the do-it-yourself approach to science learning. The Hall offers a variety of programs for schools and the public, including Science Discovery Theatre, interactive planetarium shows, discovery labs, assemblies, special events such as Ice Cream Day & Bubble Day, films, drop-in workshops, and birthday parties in the discovery labs. LHS also covers a broad range of subjects: biology, chemistry, astronomy, physics, mathematics, and robotics and lasers.

Unique Features: The Lawrence Hall of Science is situated atop the Berkeley hills and has a sweeping view of the San Francisco Bay. We have a eucalyptus grove nearby, a pond, and mixed grassland and chaparral around the building making it possible to lead workshops and classes outdoors, although we are in an essentially urban area.

Long-time leader in our field Rich Horton immerses himself in the environment by Richardson Bay, California, during a break in NSYF Conference activities. Photo by Michelle Slupski Sienkiewicz.

(108)

The Living Desert

47-900 Portola Ave.
Palm Desert, CA 92260
(619) 346-5694
Director: Karen Sausman
Contact: Loy Feiring, Public Relations

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: 9-5. Closed June 16 - Sept. 1. Annual budget $500K-1,000,000. 8 Full-time staff. 1200 Acres. Fees charged for facility use. Newsletter.

Mission: To preserve a portion of the Colorado Desert in its natural state. To foster, through interpretive exhibits, programs and publications, an awareness of and appreciation for the variety of plants and animals in worldwide desert ecosystems.

Site and Program Features: Controlled conditions with populations of various species of desert animals and plants threatened with extinction in the wild state. To foster, through cooperative research and educational programs, biological studies contributing to the protection of desert species in the wild state.

(109)

Loch Leven Conference Center

36910 Mill Creek Rd.
Mentone, CA 92359
(714) 794-2507
Director: Dr. Tom K. Devitt
Contact: Rev. Louis Shim, Asst. Director

Open to youth groups. Conference facilities. Multi-day programs. Open every day. Hours: 7 am-11 pm. Seasonal changes in schedule. Annual budget $250-500,000. 2 Full-time staff. 150 Acres. Lodging. Camping. Fees charged for facility use. Newsletter.

(110)

Los Angeles Zoo

5333 Zoo Dr.
Los Angeles, CA 90027
(213) 666-4650 FAX: (213) 662-9786
Director: Dr. Warren D. Thomas
Contact: Lora LaMarca, Public Info. Director
Operator: City of L.A./Greater L.A. Zoo Assoc.

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: 10-5. Seasonal changes in schedule. Annual budget more than $1,000,000. 375 Full-time staff. 113 Acres. Fees charged for facility use. Newsletter.

Mission: The Los Angeles Zoo is dedicated to the conservation of wildlife as a hedge against total destruction in their natural habitat; educating people about the importance of wildlife, increasing awareness of environmental issues, and encouraging support of conservation organizations; and conducting behavioral research to continually learn more about animals.

Site and Program Features: Special features at the Los Angeles Zoo include the education programs available to people of all ages, more than 2,000 animals exhibited in naturalistic environments, and Adventure Island which focuses on animals and habitats of the southwestern U.S. interpreted through interactive educational devices.

Sharing a day's activities frequently generates additional insights.

(111)

Marine Ecological Institute

1200 Chesapeake Dr.
Redwood City, CA 94063
(415) 364-2760
Director: Bob Rutherford
Contact: Jim Taggert, Dir. of Education

Open to youth groups and the general public. Conference facilities. Day programs. Open every day except Sunday. Hours: 8-5 Closed on major holidays. Annual budget $100-250,000. 3 Full-time staff. Fees charged for facility use.

Mission: The Discovery Voyage Program is committed to excellence in science education. By providing the highest quality education today we are investing in a high quality future for our children.

Site and Program Features: "Discover San Francisco Bay." On our 85 foot Research Vessel, Inland Seas, you and your students will discover the diversity, importance, and beauty of this unique marine estuary.

Unique Features: We offer discovery voyages aboard our research vessel of the San Francisco Bay.

(112)

Micke Grove Zoo

11793 N. Micke Grove Rd.
Lodi, CA 95240
(209) 953-8840
Director: Ken Nieland
Operator: San Joaquin County

Open to youth groups and the general public. Day programs. Open every day. Hours: 10-4:45 Summer: extended hours F, Sat, Sun. Annual budget $250-500,000. 2 Full-time staff. 3 Acres. Fees charged for facility use. Newsletter.

(113)

Mission Springs Outdoor Education

1050 Lockhart Gulch Rd.
Scotts Valley, CA 95066
(408) 335-9133

Contact: Elizabeth Murdock, Director of Outdoor Ed.
Operator: Northern Covenant Churches of Calif.

Open to youth groups. Multi-day programs. Open every day except Sunday. Hours: M-F 10-2 Annual budget $50-100,000. 1 Full-time staff. 200 Acres. Lodging. Fees charged for facility use.

Mission: Mission Springs works to help students be good stewards of their environment. Through Bible study, the students gain a more personal experience with their Creator and his creations. The students are given a broad experience in the out-of-doors from tidepooling to ropes courses to redwood ecology. Through the study of Genesis and Psalm One students' characters are strengthened.

Site and Program Features: Mission Springs staff are all experienced in working with students in a Bible setting before coming to Mission Springs. Our staff is very warm and caring and have a good grasp of their subject areas. The facility is more than adequate. We have an excellent cafeteria and heated rooms. The acreage is spectacular. We have a stream with lots of creatures which can be studied, a second-growth redwood forest, and a chaparral filled with wild flowers and animal tracks. We are five miles from the ocean to which we go each week. We have an excellent ropes course which helps build the students' confidence.

Unique Features: We are in the redwoods–the forest of the world's tallest trees.

(114)

Monterey County Outdoor Ed.

Box 80851
Salinas, CA 93912
(408) 755-0375

Director: Laura Lee Lienk

Open to youth groups. Multi-day programs. Open every day except Saturday, Sunday. In session 30 weeks during school year. Annual budget $250-500,000. 1 Full-time staff. 600 Acres. Lodging.

Mission: During the week-long residency at the Monterey County Outdoor School, each student is treated as an individual worthy of and receiving affection and trust. Students are provided a safe and healthy environment within which self-awareness and self-reliance are encouraged. Students will learn that choices, now and in the future, will affect delicate natural balance of which we are all a part and that we should neither ignore the cumulative knowledge of the past nor be bound by it. Instead, students will be encouraged to seek innovative and creative solutions to personal as well as larger problems of existence and coexistence.

Site and Program Features: We currently operate out of a lovely redwood forested site with a staff dedicated to changing the lives of children. We have a very structured program which extensively involves classroom teachers in our programs. Each year the strength of our program and the quality of our staff attracts greater and greater recognition to our still evolving 36-year-old program.

Unique Features: Our site is currently in a redwood forest.

(115)

Morro Bay State Park Museum of Natural History

State Park Rd.
Morro Bay, CA 93442
(805) 772-2694

Director: Diane McGrath
Operator: L.A. Dept. of Parks & Recreation

Open to youth groups and the general public. Day programs. Open every day. Hours: 10-5. Closed on major holidays. 1 Full-time staff. 4000 Acres. Camping. Newsletter.

(116)

John Muir National Historic Site

4202 Alhambra Ave.
Martinez, CA 94553
(415) 228-8860

Director: Phyllis Shaw
Operator: National Park Service

Open to youth groups and the general public. Day programs. Open every day. Hours: 10-4:30. 7 Full-time staff. 9 Acres. Fees charged for facility use.

Mission: Our goal is to preserve the environment and protect the family.

Site and Program Features: Since this is John Muir's home, we have a special opportunity to promulgate his ideas on wilderness preservation.

Taking a guided nature walk is always high on the list of "what to do" at a neighborhood center. Photo courtesy of the Academy of Natural Sciences of Philadelphia.

(117)

Naturalist Associates

107 Palm Ave.
Corte Madera, CA 94925
(415) 924-3572
Director: Kurt Rademacher

> Open to youth groups and the general public. Day and multi-day programs. Annual budget less than $10,000. 1 Full-time staff.

Mission: Our mission is to provide natural history and environmental education for educational and professional groups. Also native American use of resources and ISHI programs.

Site and Program Features: Strengths include tailor-made programs conducted at a variety of outdoor and wilderness settings: ocean, alpine, desert, forest; and the development of self-guiding nature trails and brochures for camps, parks and other natural settings. Slide programs are also presented.

Unique Features: We conduct programs in a variety of natural parks, preserves, and refuges.

(118)

North Valley Center for Appropriate Technology

1310 Ivy St.
Chico, CA 95928
(916) 345-5852
Director: Roger Cole

> Open to youth groups. Day programs. Hours: By appointment. Annual budget less than $10,000. 1 Acre.

Mission: Environmental education centered on self-reliance and stream ecology and restoration.

Site and Program Features: Energy conservation and edible landscaping come together in landscaping for wildlife in an urban setting.

(119)

Oak Canyon Nature Center

6700 Walnut Canyon Rd.
Anaheim, CA 92807
(714) 998-8380
Director: Cathy Glasgow
Operator: City of Anaheim Parks, Rec. & Comm. Serv

> Open to youth groups and the general public. Day programs. Open every day. Hours: 9-5. Closed on major holidays. Annual budget $100-250,000. 1 Full-time staff. 60 Acres. Fees charged for facility use. Newsletter.

A stream investigation is an easy way to net lots of learning by utilizing children's natural curiosity and an intern's facilitation skills. Photo by Ray Egan.

(120)

Oak Grove Nature Center

4520 W. Eight Mile Rd.
Stockton, CA 95209
(209) 953-8814
Contact: Charlon Duran, Naturalist
Operator: San Joaquin County

> Open to youth groups and the general public. Day programs. Open every day except Monday, Tuesday. Hours: 10-4 Closed on major holidays. Annual budget $10-25,000. 2 Part-time staff. 167 Acres. Fees charged for facility use. Newsletter.

Mission: Goals include: (1) To encourage public participation in the nature center as a whole in programs, volunteering, and fund raising; (2) To provide environmental education to children and adults through first-rate field studies and public talks and presentations; and (3) To develop an awareness of the necessity for conservation of natural resources in a rapidly developing agricultural area.

Site and Program Features: The Valley Oak Preserve is maintained in its original state, except for continual planting of some California native plants. It is a healthy habitat with established wildlife, some of which migrate and return each year.

Our programs provide biological and environmental education. Staff possess the necessary educational background to fulfill this task. We are the only facility of this type within a 50-mile radius of the area.

Unique Features: There is an oak preserve (valley oak) at the southern end of the park.

(121)

The Oakland Museum

1000 Oak Street
Oakland, CA 94607
(415) 273-3818
Director: Kay Winer
Contact: Sandy Bredt, Interpretive Specialist
Operator: City of Oakland

Open to youth groups and the general public. Conference facilities. Day programs. Open every day except Monday, Tuesday, Wednesday. Hours: Wed-Sat 10-5; Sun. 12-7. Annual budget more than $1,000,000. 6 Full-time staff. 7 Acres. Newsletter.

Mission: The Oakland Museum is "the Museum of California," combining three disciplines of art, history and natural sciences to present the artistic expression, the cultural heritage and natural environment of California.

Site and Program Features: Each of the museum's three collecting departments maintains a permanent gallery and also presents special temporary exhibitions and a wide variety of other public programs each year. Exceptionally active educational programming serves more than 60,000 students and adults each year.

(122)

Old Mill Farm & School of Country Living

P.O. Box 463
Mendocino, CA 95460
(707) 937-0244
Director: Charles Hinsch
Contact: Suszan Warner

Open to youth groups and the general public. Day and multi-day programs. Open every day. Annual budget less than $10,000. 2 Part-time staff. 320 Acres. Lodging. Camping. Fees charged for facility use.

Mission: The Old Mill Farm offers an alternative form of education to individuals, families and school groups who desire to become familiar with the chores required to maintain a general farm and to become aware of the natural organic relationship to the land and animals we utilize. Cabins and organically raised foods are available.

Site and Program Features: The Old Mill Farm is a living historical farm homestead nestled in the coastal hills redwood forest and adjacent to the Mendocino Woodlands Group Recreation Camps. The farm has no public utilities, operates entirely on alternative energy, and practices sustainable organic agriculture.

(123)

Orange County Deptartment of Education

P.O. Box 9050, 200 Kalmas
Costa Mesa, CA 92628-9050
(714) 966-4377

Open to youth groups. Day and multi-day programs. Open every day except Saturday, Sunday. Hours: 8-4. Annual budget $250-500,000. 19 Full-time staff. Fees charged for facility use.

Mission: (1) To increase students' awareness and appreciation of nature. (2) To increase students' knowledge of science concepts as they are outlined in the California Science Framework. (3) To encourage a commitment to preserve our environment.

Site and Program Features: The Environmental Field Study Program takes elementary school children to six sites in Orange County to study tidepools, estuaries, mountains and basic ecology. We have a staff of 15 professional naturalists that serve 25,000 students each year in these 1-hour to 2-day programs from the "Mountains to the Sea."

(124)

Orange County Outdoor Science School

Hwy. Contract 01, Box 67
Forest Falls, CA 92339-9703
(714) 794-1988
Director: Daniel R. Baker
Contact: Ruth Crew, Coordinator
Operator: Orange County Department of Education

Open to youth groups. Multi-day programs. Open every day except Saturday, Sunday. Operate Sept.-1st week of June Annual budget more than $1,000,000. 9 Full-time staff. Lodging. Fees charged for facility use.

Mission: Those things best taught in the out-of-doors should be taught outside! (1) Students will learn natural science as defined in California Science Framework, (2) develop awareness/appreciation of environment, (3) students will learn responsibility, (4) students will be successful, and (5) visiting classroom teachers will deepen awareness and become more successful teachers.

Site and Program Features: We have a strong, well-trained staff, ongoing staff training, constant supervision; excellent curriculum, powerful and meaningful daily schedules that involve all students, staff and teachers; every child, staff, and teacher departs the program successful, happy and aware of their natural environment.

Unique Features: The Orange County Outdoor Science School operates five sites: Arbolado - Alpine 6,500' w/stream and meadows; Loch Leren - chaparral, oak woodland 4,200' w/ 2 streams; Mile High Pines - forest, meadow 6,500'; Ponderosa Pines - forest, meadow 6,700'; ranch - forest, chaparral 5,200' w/stream.

(125)

Outdoor Education Program

San Diego County Office of Ed.
6401 Linda Vista Rd.
San Diego, CA 92119
(619) 292-3696

Open to youth groups and the general public. Conference facilities. Multi-day programs. Open every day. Annual budget more than $1,000,000. 3 Full-time staff. Lodging.

Mission: The purpose of the San Diego County Outdoor Education Program is to provide a five-day, four-night residential learning experience based on the Goals of the Outdoor Education Program and shared by students, classroom teachers and outdoor school staff. This program is designed to be the focal point of a science and social studies curriculum presented in the classroom, both before and after the session at the outdoor school. The program is presented at three sites: Camp Cuyamaca, Palomar Mountain Camp, and Camp Denver C. Fox.

Site and Program Features: Camp Cuyamaca nad Palomar Mountain Camp, located at altitudes of 4,050' and 5,200', respectively, are located within two California State Parks. Camp Denver C. Fox is located at the base of Mount Palomar at an altitude of 2,500'. All three sites have small rivers and ponds easily accessible within a mixed forest of chapparal, oaks, and conifers. Each year 20,000 sixth grade students attend the outdoor school.

Unique Features: The Outdoor Education Program administers three different sites.

(126)

Pacific Energy & Resources Center

Bldg. 1055 Fort Cronkhite
Golden Gate Natl. Rec. Area, CA 94965
(415) 332-8200
Director: Kurt Rademacher

Open to youth groups and the general public. Conference facilities. Day programs. Open every day except Saturday, Sunday. Hours: 9-4:30; Sat-Sun by appointment. Annual budget $50-100,000. 3 Full-time staff.

Mission: P.E.R.C. is an energy and natural resource policy research and public education center committed to sound resource use and wise stewardship.

Site and Program Features: Our public education program develops and implements natural resource curriculum units for use at the center and for teachers' use in their classrooms. A highly scenic location at Rodeo Beach and Lagoon in the Marin headlands just north of San Francisco in the Golden Gate National Recreation area.

Unique Features: The center occupies six historic buildings on Rodeo Beach and Lagoon in the scenic Marin Head Lands of the Golden Gate National Recreation Area.

This box-turtle will soon have three kids "eating out of its hand." Photo by Ray Egan.

(127)

John Panatier Nature Center

P.O. Box 60
Arcadia, CA 91006
(818) 355-9938
Contact: Marc Mueller, Recreation Coordinator
Operator: City of Arcadia

Open to youth groups and the general public. Day programs. Open every day. Hours: Summer: 7 am-9 pm; Winter: 7 am-6 pm Seasonal changes in schedule. Annual budget $50-100,000. 2 Full-time staff. 280 Acres. Camping. Newsletter.

Mission: To provide a wholesome experience for the patrons of the park to experience nature in the foothills of southern California's suburbs.

(128)

Pathfinder Outdoor Science School

Garner Valley 1
Box 104
Mountain Center, CA 92361
(714) 659-2455
Director: Dave Ezell

Open to youth groups and the general public. Conference facilities. Multi-day programs. Open every day. Annual budget $250-500,000. 5 Full-time staff. 30 Acres. Lodging. Fees charged for facility use.

Mission: To interpret the significance of our natural world to future generations; to promote appropriate management models, behavior, and a stewardship concern for our environment. To promote a strong appreciation for science; to promote personal and interpersonal growth through appropriate self-discovery and cooperative learning activities.

Site and Program Features: All program and lodging facilities are centrally heated. The camp has an open aspect with buildings in a concentric cluster, thus facilitating excellent supervision and program management. We supply the food and custodial/maintenance services. Our programming is unique. We offer a wide variety of subjects in the environmental and biotic sciences, as well as adventure and outdoor mountain skill classes. We have 27 classes to choose from.

(129)

Placerita Canyon Nature Center

19152 N. Placerita Canyon Rd.
Newhal, CA 91321
(805) 259-7721

Contact: Matt Kouba, Natural Area Supervisor
Operator: Los Angeles County Dept. Parks & Rec.

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: 9-5 Annual budget $50-100,000. 1 Full-time staff. 360 Acres. Lodging. Camping. Newsletter.

Site and Program Features: Placerita is a unique east-west running canyon featuring cool, shaded oak groves, a willow and sycamore-lined seasonal stream and numerous other interesting plant and animal communities. The historic "Oak of the Golden Dream," site of California's original gold discovery in 1842, is located in the park.

The Nature Center museum contains exhibits on the natural history of southern California, and there is a small collection of live animals in the classroom. Everyone, all ages, is welcome to the weekend live animal shows at 1:00 p.m. in the Nature Center. A network of self-guiding nature, history and hiking trails radiates out into the park from the center, with longer hikes leading to a seasonal waterfall and to the top of the Santa Clarita Divide. Our Heritage Trail has been designed to provide accessibility for visitors in wheelchairs, with strollers and those needing a stable surface.

(130)

Y.M.C.A. Point Bonita Outdoor Education and Conference Center

Bldg. 981
Fort Barry GGNRA
Sausalito, CA 94965
(415) 331-9622

Director: Luci Orth
Contact: Marilee Stark, Outdoor Ed. Coordin.

Open to youth groups. Conference facilities. Multi-day programs. Open every day. Annual budget $250-500,000. 3 Acres. Lodging. Fees charged for facility use.

Mission: Our outdoor education program will have met its goals if, by the end of your experience here, you all have "wet feet, dirty hands, wind-blown hair, big wide grins, happy memories, and a new understanding of this place. Perhaps, even of yourselves." (from Pt. Bonita curriculum guide, Discovery on the Continent's Edge)

Site and Program Features: Point Bonita is located on an elevated peninsula 20 minutes north of San Francisco in the Marin Headlands, which is part of the Golden Gate National Recreation Area. The area is unique in providing ocean beaches, headland cliffs, a brackish lagoon, coastal grasslands, windy hills, remnants of several historical coastal defense systems, and a well-developed network of hiking trails.

Unique Features: Located 20 minutes north of San Francisco in the Golden Gate National Recreation area, our site overlooks ocean, beaches, fresh-water ponds and lagoon, remnants of historical coastal defense systems, Ft. Bonita lighthouse; and tide pools.

(131)

Point Reyes Bird Observatory

4990 Shoreline Hwy.
Stinson Beach, CA 94970
(415) 868-1221

Director: Laurie A. Wayburn
Contact: Geoff Geupel, Landbird Program Manager

Open to youth groups and the general public. Day programs. Open every day. Hours: 15 min. after local sunrise for 6 hrs. Nov. 20-Apr 30 - W, Sat, Sun; Every day May 1 - Nov. 20. Annual budget more than $1,000,000. 8 Full-time staff. 100 Acres. Newsletter.

Mission: Founded in 1965, Point Reyes Bird Observatory is a non-profit membership organization dedicated to conducting ecological research, interpreting research results to the public, and providing a scientific basis for conservation of birds and their habitats. Funding is provided by research grants, contracts, and individual contributions.

Site and Program Features: Point Reyes Bird Observatory has three main facilities in the San Francisco Bay Area. Palomarin Field Station, at the southern entrance to the Point Reyes National Seashore, is headquarters for landbird research and public education.

(132)

Point Reyes-Clem Miller Env. Ed. Center

Point Reyes National Seashore
Point Reyes, CA 94956
(415) 663-1200

Director: Fawn M. Bauer
Operator: Point Reyes Natl. Seashore/Assoc.

Open to youth groups and the general public. Conference facilities. Multi-day programs. Open every day. 3 Full-time staff. Lodging. Fees charged for facility use.

Mission: We provide a wide variety of environmental educational opportunities for people of all ages. We believe that through developing an understanding of the environment and having the benefit of experiencing it first hand, people create a relationship to nature that generates an investment in the future preservation of the natural environment.

Site and Program Features: Surrounded by over 70,000 acres of coastal strand, bishop pine and Douglas fir forest, marshland and grassland. The area is a hot bed of bird life, a home of over 60 species of mammals (including many species of marine mammals) and contains a lush plant community. We are located in a superb place for outdoor education and adventure.

(133)

Pomo Visitor Center

U.S. Army Corps of Engineers
1160 Lake Mendocino Dr.
Ukiah, CA 95482
(707) 462-7581

Director: David R. Chubon
Contact: Peggi Brooks, Park Ranger
Operator: Coyote Valley Tribal Council

Open to youth groups and the general public. Conference facilities. Day programs. Open every day except Monday, Tuesday. Hours: 9-5 Annual budget $25-50,000. 2 Full-time staff. 1 Acre. Lodging.

Mission: The Pomo Visitor Center is a cooperative venture of the U.S. Army Corps of Engineers and the Coyote Valley Tribal Council. More than just a visitor center with information about the park and natural history of the area, it provides an interface between the public and the local Indian tribe and allows both Indians and non-Indians to learn about the history of the area and Pomo Indian culture.

Site and Program Features: The visitor center resembles a Pomo Indian Roundhouse. Inside are exhibits and videos on Pomo culture, Lake Mendocino and the Corps of Engineers. Demonstrations are held on weekends in the summer on Indian lifeways. A Native American gift shop includes literature and Indian arts and crafts. A meeting room opens to form an indoor/outdoor amphitheater for Indian dancing, plays and films. It is one of the only such centers staffed by Native Americans. Truly beautiful and unique!

Unique Features: The facility is modeled after a Pomo Indian Roundhouse. It includes history and artifacts of Pomo Indians and is staffed by Pomos from a local tribe. It is located at Lake Mendocino.

(134)

Rancho Los Alamitos

6400 Bixby Hill Road
Long Beach, CA 90815
(213) 431-3541

Director: Pamela L. Seager
Contact: Pamela Young, Curator
Operator: Rancho Los Alamitos Foundation

Open to youth groups and the general public. Day programs. Open every day except Monday, Tuesday. Hours: 1-5. Closed Christmas week and 1st week Jan. Closed on major holidays. Annual budget $250-500,000. 7 Full-time staff. 7 Acres. Newsletter.

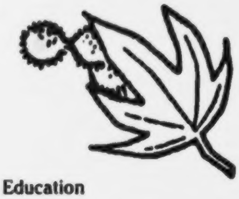
Mission: To preserve and present the Rancho Los Alamitos Historic Site and gardens to a broad audience in a manner which tells the story of the site through the context of the local history of Southern California, and which uses the site and its artifacts as the interpretive media for fostering public use, understanding and enjoyment of the site and its history.

Site and Program Features: Rancho Los Alamitos Historic Site and Gardens include the ranch house (which dates to 1806), six 20th century barns, and four acres of landscaped historic gardens. The primary interpretive period is 1890-1950. School tours and special group tours are welcomed, and the site presents a regular calendar of events related to the history of the ranch.

Unique Features: Site inclues historic ranch house, six barns (including blacksmith's shop) and 4 acres of gardens (rose garden, herb garden, desert garden, etc.)

(135)

Rancho Santa Ana Botanic Garden



1500 N. College Ave.
Claremont, CA 91711
(714) 625-8767

Director: Dr. Thomas Elias
Contact: Susan Greenstein, Head of Education

Open to youth groups and the general public. Day programs. Open every day. Hours: 8-5. Special guided tours 80 Acres. Newsletter.

Mission: Rancho Santa Ana Botanic Garden is dedicated to the preservation and promotion of native California flora through botanical research, horticulture, and education. The Garden offers graduate degrees in systematic and evolutionary botany in conjunction with the Claremont Graduate School, special programs for school and youth groups, and continuing education classes for adults.

Site and Program Features: The living collections of approximately 1,500 species of native California plants, have been selected for their ornamental value and usefulness in landscape design. Special interest areas include the Desert and Coastal Gardens, the Woodland and Riparian Trails, the Home Demonstration Garden, the Manzanita Display Areas, the Ceanothus (California Lilac) and Conifer Collections, and a seasonal display of wildflowers from mid-March through early June. Special tours, led by experienced nature interpreters, are offered for school, youth, and youth groups, by prearrangement.

Unique Features: The living collections at RSABG include only native plants of California.

(136)

Randall Museum

199 Museum Way
San Francisco, CA 94114
(415) 863-1399
Director: John Dillon
Operator: City of S.F. - Rec. & Park Dept.

Open to youth groups and the general public. Conference facilities. Day programs. Open every day except Monday, Sunday. Hours: T-Th, 10-5, 7-10pm Closed on major holidays. Annual budget $250-500,000. 5 Full-time staff. 16 Acres. Newsletter.

Mission: The Randall Museum offers youth and adults opportunities for active involvement and recreation in an integrated program of arts and sciences. Focusing on the cultures and environment of the San Francisco Bay Area, the museum strives to inspire creativity, curiosity, and appreciation of the world around us.

Site and Program Features: The museum sits on a 16-acre hill in the heart of San Francisco with dramatic views of the central Bay area. The 30,000 sq. ft. facility has a wide range of hands-on exhibits and workshops, including: wood and metal shops, ceramics studio, photography darkroom, lapidary, printing shop, computer room, art studio, video microscopes, model trains, and live animal room.

(137)

Regional Learning Center

15700 Old Oak Ranch Rd.
Sonora, CA 95370
(209) 532-3691
Director: Jack Bohan

Open to youth groups and the general public. Conference facilities. Multi-day programs. Open every day. School year program, summer camp program. Annual budget $250-500,000. 3 Full-time staff. Lodging. Fees charged for facility use.

Mission: The Regional Learning Center hopes to provide a means of establishing practical awareness in our total community that will aid each student to develop a healthy attitude of personal responsibility toward his environment and its resources, both natural and human.

Site and Program Features: The Regional Learning Center is located near Sonora in California's "Gold Country." It is on a ridge top at 4,000 feet, surrounded by pines, cedars, oaks and manzanita. It is available the year round with a full-time educational staff to facilitate a varied program.

Richardson Bay Audubon Center and Sanctuary, host for NSYF'S San Francisco Conference.

(138)

Richardson Bay Audubon Center-NAS

376 Greenwood Beach Rd.
Tibaron, CA 94920
(415) 388-2524
Director: Beth Hunning

Open to youth groups and the general public. Conference facilities. Day programs. Open every day except Monday, Tuesday. Hours: 9-5 mid-June-July open 7 days Closed on major holidays. Annual budget $250-500,000. 4 Full-time staff. 911 Acres. Fees charged for facility use. Newsletter.

Mission: Richardson Bay Audubon Center and Sanctuary is a wildlife sanctuary and environmental education center on San Francisco Bay. Staff and volunteers introduce school groups, the general public, and teachers to the world of nature: wildlife and the bay ecosystem. They also train Audubon chapter educators throughout the West to be more effective in their communities.

Site and Program Features: The sanctuary encompasses 900 acres of tidal mudflats, open shallow water, and marshland with 11 acres of land. Habitats also include rocky beach, grassland, coastal sage scrub, riparian, and pond. A historic Victorian house, which functions as a museum, dominates the landscape. Other facilities include a large classroom, store and small interpretive building.

Unique Features: Unique physical features include 900 acres within San Francisco Bay, mudflats, and marsh.

(139)

Louis Robidoux Nature Center

5370 Riverview Dr.
Riverside, CA 92509
(714) 683-4880
Director: Kathryn Field
Contact: Barbara Lyer, Assistant Director
Operator: Riverside County Parks Dept.

Open to youth groups and the general public. Day programs. Open every day except Monday, Tuesday. Hours: 10-4. Open every day July and August. Closed on major holidays. Annual budget $25-50,000. 1 Full-time staff. 512 Acres.

Mission: We emphasize a hands-on approach to discovering the riparian environment. We also view our center as an oasis of tranquil green space amidst the fastest-growing region of the country, and as a resource for those wishing to learn more about local natural history.

Site and Program Features: While part of a 5,000-acre, county-managed preserve along the longest river in Southern California, the center primarily serves children ages 3 to 12 and their families. Day camps, school group tours, and other children's activities emphasize wildlife, riparian plants, and Indian history. Live animal demonstrations (with raptors, snakes and small mammals) are an integral part of the programs.

51

(140)

Rotary Natural Science Center

1520 Lakeside Dr.
Oakland, CA 94612
(415) 273-3739
Director: Herbege K. White
Contact: Richard Kaufmann, Naturalist
Operator: City of Oakland Parks & Rec. Dept.

Open to youth groups and the general public. Day programs. Open every day. Hours: M 12-5; T-Sun 10-5. Annual budget $100-250,000. 1 Full-time staff. 1 Acre. Newsletter.

Mission: (1) Nature education, especially of local native life; (2) maintenance of a waterbird refuge in lake next to nature center.

Site and Program Features: Waterbird refuge is located in the middle of a large city. We use live and specimen materials in education and have access to natural forest lands within the city limits. We cannot keep up with the demand for our services.

(141)

Sacramento Science Center

3615 Auburn Blvd.
Sacramento, CA 95821
(916) 449-8255
Director: David R. Stuart
Contact: Pat McVicar, Spec. Projects Coordinator

Open to youth groups and the general public. Day programs. Open every day. Hours: M-F 9:30-5; S-S 12-5; holidays 9:30-5. Closed on major holidays. Annual budget $500K-1,000,000. 8 Full-time staff. 13 Acres. Fees charged for facility use. Newsletter.

Mission: The Sacramento Science Center's mission is to advance the understanding of the natural and physical sciences by the people of the Sacramento region so that they may see the familiar world around them through new eyes and become wiser stewards of its future.

Site and Program Features: The Sacramento Science Center and Junior Museum is the only museum in the region that covers both natural and physical sciences and offers public planetarium shows. Its collections regularly provide visitors from throughout northern California the opportunity to see, and in many cases touch, things they may only have heard or read about or perhaps did not even know existed.

(142)

Sacramento Zoological Society

3930 W. Land Park Dr.
Sacramento, CA 95822
(916) 449-5889
Director: Maria Baker
Contact: Cheryl Winn, Education Curator
Operator: City of Sacramento

Open to youth groups and the general public. Open every day. Hours: 9-4. Annual budget more than $1,000,000. 1 Full-time staff. 16 Acres. Fees charged for facility use. Newsletter.

Mission: To educate the public about wildlife preservation and protection; to attempt to educate the public to its responsibility to conserve our natural resources; to develop positive attitudes toward wildlife conservation.

Site and Program Features: Through a variety of public programs and small classroom workshops, we are able to introduce people of all ages to the wonderful, magical world of nature. By developing personal commitment to conservation, we hope to instill positive values for our future. Our volunteers give personalized tours to over 18,000 school children, while our summer workshops accommodate approximately 800 + individuals.

Unique Features: Attempt to incorporate aspects of habitat in animal enclosures. Park-like setting, wide variety of trees and plants make for an enjoyable visit.

(143)

San Diego Natural History Museum

P.O. Box 1390
San Diego, CA 92112
(619) 232-3821
Director: Dr. Hal Mahan
Contact: Sandy Kuntz, Ed. Programs Coordinator

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: 10-4:30 Summer: 10-5. Annual budget more than $1,000,000. 30 Full-time staff. Fees charged for facility use. Newsletter.

Mission: To collect and preserve natural history specimens and study nature, emphasizing the biology and geology of southwestern U.S. and NW Mexico; and to communicate knowledge and enjoyment of nature through exhibits, education programs and publications.

Dedicated volunteers donate uncounted thousands of hours yearly to help save injured wildlife. Photo by Gerrie Reichard.

(144)

San Francisco Bay Bird Observatory

P.O. Box 247
Alviso, CA 95002
(408) 946-6548
Director: Don Starks

Open to the general public. Day programs. Open every day except Saturday, Sunday. Hours: 1-5. Closed on major holidays. Annual budget $50-100,000. 1 Full-time staff. 2 Acres. Newsletter.

Mission: The SFBBO is a non-profit volunteer organization which has the following as its primary mission: To conduct research on avian species on the S.F. Bay National Wildlife Refuge, make results of research available to decision makers of the refuge and other agencies, and to educate the public about the marshes and other endangered areas of the south bay.

Site and Program Features: We are indeed fortunate because we have a good volunteer base (about 100), good location (on NWR property and near trails), and a good working relationship with the refuge and its personnel.

(145)

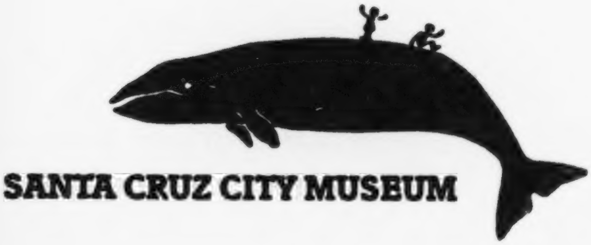
San Francisco Bay National Wildlife Refuge

Box 524
Newark, CA 94560
(408) 262-5513
Director: Frances McTamaney
Operator: U.S. Fish & Wildlife Service

Open to youth groups and the general public. Conference facilities. Day programs. Open M-F. Hours: 8-4:30 Closed on major holidays. Annual budget $500K-1,000,000. 2 Full-time staff. 500 Acres. Newsletter.

Mission: Programs emphasize awareness, understanding, and respect for the estuary's unique environment and promote environmentally sound behavior patterns.

Site and Program Features: The Environmental Education Center is a place to learn about the San Francisco Bay environment through hands-on activities. Teacher-led field trips encourage students of all ages to study topics such as plants, wildlife and their habitats, marsh ecology and environmental conservation during their all-day visit to the center.



(146)

Santa Ana Zoo

1801 East Chestnut Ave.
Santa Ana, CA 92701
(714) 836-4000
Director: Claudia Collier
Contact: Jennifer Rigby, Curator of Education
Operator: City of Santa Ana

Open to youth groups and the general public. Day programs. Open every day. Hours: 10-6 Winter: 10-5. Annual budget $500K-1,000,000. 14 Full-time staff. 20 Acres. Fees charged for facility use. Newsletter.

Mission: The Santa Ana Zoo is committed to the following goals: (1) to advance public education on the need for wildlife preservation, (2) to foster wildlife appreciation and awareness on the function of zoos in captive propagation, and (3) to provide a recreational attraction to the public.

Site and Program Features: The Santa Ana Zoo is located on 20 acres in the city of Santa Ana, Orange County. Animal exhibits depict life in South America, Africa, Asia and Australia; and each exhibit is accompanied by animal identification signage and interpretive graphics. The topography is flat; exhibits are carefully landscaped to lend an exotic atmosphere. The education department is extremely active on a national, as well as regional, level.

(147)

Santa Barbara Museum of Natural History

2559 Puesta Del Sol
Santa Barbara, CA 93105
(805) 682-4711 FAX: (805) 569-3170
Director: Dr. Dennis Power
Contact: Kay Woolsey, Asst. Dir., Public Prog.

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: M-Sat. 9-5; Sun. 10-5. Newsletter.

(148)

Santa Cruz City Museum

1305 E. Cliff Dr.
Santa Cruz, CA 95062
(408) 429-3773
Director: Charles Prentiss
Contact: John Lane, Museum Assistant
Operator: City of Santa Cruz

Open to youth groups and the general public. Day programs. Open every day except Monday. Hours: M-F 10-5; Sun 12-5. Annual budget $100-250,000. 3 Full-time staff. 1 Acre. Newsletter.

Mission: The Santa Cruz City Museum is dedicated to the preservation and interpretation of the natural sciences, history, prehistory and art of the Santa Cruz County region. The museum collects artifacts and develops educational programs and exhibits concerning the natural and cultural history of our area.

Site and Program Features: The museum features permanent exhibits on local Native Americans, rocks, fossils and geology, marine life (including a touch tidepool tank) and land plants and animals of the area. The museum offers tours, lectures, loans of artifacts, and provides permanent and changing exhibits at the museum and in the community.

(149)

SCICON Program

Tulare County Department of Education
Box 339
Springville, CA 93265
(209) 539-2642 FAX: (209) 627-4670
Director: Norris W. Beakes

Open to youth groups and the general public. Conference facilities. Multi-day programs. Open every day. Annual budget $500K-1,000,000. 2 Full-time staff. 1170 Acres. Fees charged for facility use. Newsletter.

Mission: "SCICON is an instructional program which is deeply rooted in an optimistic faith in the worth of man; it is an expression of faith in his educability and perfectibility." The philosophical credo of SCICON is founded on the belief that man can survive and prosper in a natural environment if given the opportunity to learn about that environment and alternative ways to interact with nature. Through this learning and interacting, man's life is enriched and he leaves his environment with a brighter future because of his involvement. The credo is predicated on the belief that if man is educated to know the truth, he will sepak it; if he is sensitized to beauty, he will serve it; if he learns to know the goodness of nature, he will manifest this knowledge in his daily relationship with his fellow man and his environment.

Site and Program Features: SCICON is the acronym for the Clemmie Gill School of Outdoor SCIence and CONservation Education. Its instructional program is aimed at opportunities to learn about science, conservation, and ecological relationships in nature's own classroom. The SCICON campus is located in the foothills of the great Sierra Nevada Mountains of California. Primarily serving sixth graders from schools in central California, students from Tulare, Kings, Fresno and Kern Counties spend one week at the site, living in cabins and studying in the out-of-doors.

Unique Features: We are located in oak woodland, foot hills of Sierra Nevada Mountains.

(150)

Scripps Aquarium-Museum

8602 LaJolla Shores Dr.
LaJolla, CA 92093
(619) 534-4086 FAX: (619) 534-7114
Director: Donald W. Wilkie
Contact: Diane Baxter, Curator of Education
Operator: University of California, San Diego

Open to youth groups and the general public. Day programs. Open every day. Hours: 9-5 Annual budget $500K-1,000,000. 15 Full-time staff. 1 Acre. Fees charged for facility use. Newsletter.

Mission: Scripps Aquarium Museum is the interpretive center for Scripps Institution of Oceanography, U.C.S.D. Using museum exhibits and live aquarium exhibits, it helps promote understanding for the oceans and ocean science, while fostering appreciation for the importance of wise use of ocean resources.

Site and Program Features: Only part of Scripps Institution of Oceanography is open to the public. Drawing from the broad scientific base at the institution, we can help people understand ocean science, oceanic phenomena, and marine life.

(151)

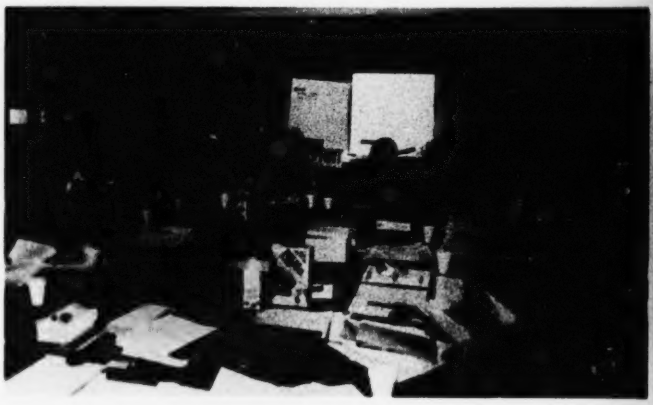
Shipley Nature Center

Huntington Central Park
P.O. Box 190
Huntington Beach, CA 92648
(714) 960-8847
Director: David A. Winkler
Operator: City of Huntington Beach

Open to youth groups and the general public. Day programs. Open every day. Hours: 9:30-5. Annual budget $50-100,000. 1 Full-time staff. 18 Acres.

Mission: To conduct nature walks educating children and to provide a quiet place within a densely populated urban area for individual nature study and enjoyment.

Site and Program Features: Includes a freshwater pond habitat as well as riparian woodlands. Excellent group nature tours available by appointment. Small natural history museum on site showing birds and other wildlife of the area.



Minds linked and interacting; land use planning or an environmental issues forum can tackle real-life issues confronting a community.

(152)

Slide Ranch

2025 Shoreline Hwy.
Muir Beach, CA 94965
(415) 381-6155
Director: T. Black

Open to youth groups and the general public. Day and multi-day programs. Open every day except Monday, Tuesday. Seasonal changes in schedule. Annual budget $100-250,000. 3 Full-time staff. 150 Acres. Lodging. Camping. Fees charged for facility use. Newsletter.

Mission: Founded in 1970, Slide Ranch is a homestead-scale teaching farm on the California coast, surrounded by wildlands and edged by tidepools. The core teachers of farm and environmental education programs are 4-6 college-age (or older) interns who provide programs to an infinite variety of human beings, i.e., children, families, developmentally disabled youth and adults, youth-at-risk, toddlers, seniors, teachers-in-training, etc. Program participants visit for a day, or stay in tents overnight. The coastal views are incredible. Teaching has an emphasis upon listening to/learning from our students.

Unique Features: We have excellent tidepools! The homestead-size farm has Navajo-Churro sheep, goats, ducks, chickens, turkeys, gardens, etc.

(153)

Sly Park Environmental Education Center

5600 Sly Park Rd.
Pollock Pines, CA 95726
(916) 644-2071
Director: Dr. Don Smith
Contact: Linda Mitchell, Outdoor Education Spec.
Operator: Sacramento County Office of Ed.

Open to youth groups. Multi-day programs. Open every day. Winter: closed Sat.-Sun. Annual budget $500K-1,000,000. 6 Full-time staff. 40 Acres. Lodging. Fees charged for facility use. Newsletter.

Mission: The goals of the Sly Park Environmental Education Center are to provide 6th grade students with a positive experience in the out-of-doors and hands-on activities teaching environmental awareness and basic ecological concepts, resulting in individuals who can make wise decisions regarding the environment and the future.

Site and Program Features: The Sly Park Environmental Education Center provides an instructional hands-on learning environment for 6th-grade students in a five-day resident program format. All instruction is led by credentialed elementary teachers specially trained in environmental science.

(154)

Success Lake

U.S. Army Corps of Engineers
Box 1072
Porterville, CA 93258
(209) 784-0215
Director: John Pike
Contact: Jacquelynn I. Dayton, Park Ranger

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Seasonal changes in schedule. Annual budget $500K-1,000,000. 2 Full-time staff. 5000 Acres. Camping. Newsletter.

Mission: We do not have an actual center. This is a Corps of Engineers Reservoir with the prime purposes of flood control, irrigation, and recreation. As part of this, we give environmental trail walks, special programs, water safety programs and campfire talks and dam tours.

Site and Program Features: The lake is located in the foothills of the Sierra Nevada Mountains. The backdrop of the Sierras provides a scenic setting during certain times of the year, and the 3,200 acres of water surface during a full year provide adequate room for most recreational activities.

(155)

Sulphur Creek Nature Center

1801 D Street
Hayward, CA 94541
(415) 881-6747
Director: Michael E. Koslosky
Operator: Hayward Area Rec. & Park District

Open to youth groups and the general public. Day programs. Open every day except Monday. Hours: T-Sun 10-5. Closed on major holidays. Annual budget $100-250,000. 1 Full-time staff. 10 Acres. Newsletter.

Mission: Sulphur Creek Nature Center educates local community members about wildlife found in the region. It achieves this goal through exhibits and displays of local sports, in-class presentations to school children and special events staged at the facility.

Site and Program Features: Sulphur Creek has a collection of native wildlife housed in naturalistic enclosures and is located in a 10-acre "urban wilderness" setting. The facility has a wildlife rehabilitation program, animal rental program, full wildlife education activities and nature study classes for children.

(156)

Sunol Regional Wilderness

P.O. Box 82
Sunol, CA 94586
(415) 862-2244
Director: Paul Ferreira
Contact: Dan Reasor, Park Supervisor
Operator: East Bay Regional Park District

Open to youth groups and the general public. Day and multi-day programs. Open every day. Hours: 7-dusk. Annual budget $250-500,000. 4 Full-time staff. 5924 Acres. Camping. Fees charged for facility use. Newsletter.

Mission: To provide an educational program that will help the user to understand their role in the protection of open space. To help the user attain a sense of stewardship for the environment.

Site and Program Features: A scenic, mountainous setting, providing many opportunities to discover the beauty and variety in our surroundings. A variety of habitats that allow for comparisons of many animal and plants adaptive features.

"None of us are as smart as all of us!" This Forest Service Process Approach premise has been proven countless times in workshops and in real-life applications. Photo by Michelle Slupski Sienkiewicz.

(157)

Terrwilliger Nature Education Center

50 El Camino Dr.
Corte Madera, CA 94925
(415) 927-1670
Director: Ken White
Contact: Cynda Vyas, Ed. Director

Open to youth groups and the general public. Day programs. Open every day. Hours: 8:30-4:30. Closed on major holidays. Annual budget $100-250,000. 4 Full-time staff. 2 Acres. Newsletter.

Mission: To create in children an awareness and appreciation of nature so that as adults they will be able to make responsible decisions to protect and preserve the natural environment.

Site and Program Features: Terwilliger Nature Education Center programs are designed to supplement and enhance elementary-level natural science and environmental education curricula. Terwilliger programs emphasize hands-on techniques, actively involving children in using all their senses. "Teach children to love nature. People take care of what they love."

Turtle Rock Nature Center

(158)

Tree People

12601 Mulholland Dr.
Beverly Hills, CA 90210
(818) 769-2663
Director: Andy Lipkis
Contact: Cor Trowbridge, Volunteer Coordinator
Operator: Tree People Inc.

Open to youth groups and the general public. Day programs. Open every day. Hours: 9 am to dusk. Annual budget $500K-1,000,000. 12 Full-time staff. 45 Acres. Newsletter.

Mission: Tree People's purpose is to encourage individuals by education, example, and assistance, to improve the environment by planting and caring for trees.

Site and Program Features: Tree People operates Coldwater Canyon Park. The Environmental Leadership Program is designed to teach Los Angeles area students, via nature awareness and the planting of trees, how to have a positive impact upon their environment. Besides tree education, a nature walk and ecotour, each student receives a tree seedling. Programs run Mon.-Fri. Call in advance to schedule.

(159)

Turtle Rock Nature Center

1 Sunnyhill/P.O. Box 19575
Irvine, CA 92713
(714) 854-8151
Director: Michael McCreary
Contact: Martha Griffis, Comm. Services Leader III
Operator: City of Irvine

Open to youth groups and the general public. Day programs. Open every day except Friday. Hours: Weekdays 2-5; Weekends 12-5. Closed on major holidays. Annual budget $100-250,000. 2 Full-time staff. 10 Acres.

Mission: To provide programs in environmental protection education for a variety of age groups; to provide educational and recreational opportunities for visitors; to encourage the protection and preservation of local natural areas; and to provide exemplary care for the animals maintained at the center.

Site and Program Features: The center is located on the site of the former Irvine Ranch Cattle Operations headquarters. The converted paddock building contains interactive displays which reflect local and global environmental concerns, live animal exhibits, and a classroom. The emphasis of all programs is to instill a caring attitude towards the environment.

(160)

U.C. Berkeley Botanic Garden

Centennial Dr.
Berkeley, CA 94720
(415) 642-3343
Director: Dr. Robert Ornduff
Contact: Stephanie Kaza, Education Coordinator
Operator: University of California, Berkeley

Open to youth groups and the general public. Day programs. Open every day. Hours: 9-5 Open Wed. til 7 in summer Annual budget $500K-1,000,000. 12 Full-time staff. 35 Acres. Newsletter.

Mission: Our mission includes education, research, conservation in a university setting for students and the general public. Also we conserve diverse and illustrative plant collections from regional and world flora and provide seeds and plant material to researchers.

Site and Program Features: We have over 10,000 taxa of plants on a hilly, well-drained site with diverse microclimates. Plants are organized by geographic area; California ecosystems are highlighted, and there are several large glasshouses. We belong to the National Center for Plant Conservation and have a sister garden relationship with Wilson Garden in Costa Rica.

Unique Features: The site has a botanical garden representation of many different floras and habitats.

(161)

Venture West School of Outdoor Living

431 N. Buchanan Circle #3
Pacheco, CA 94553
(415) 686-1201
Director: Neil O'Hara
Operator: Venture West School of Outdoor Living

Open to youth groups. Multi-day programs. Annual budget $100-250,000. 1 Full-time staff. Lodging. Camping.

Mission: We endeavor to provide students with first-hand experiences which help them to understand their place as part of a natural system.

Site and Program Features: Venture West provides overnight environmental education programs at a variety of camps and parks throughout northern California. Program offerings include coastal ecology, sierra ecology, gold rush history, native American culture and more. All are designed to tie-in closely with classroom curriculum.

(162)

Westminster Woods

Genesis Account, California Outdoor Schools
6510 Bohemian Hwy.
Occidental, CA 95465
(707) 874-2426
Director: Noreen Nazarian
Contact: Dolores Dewsnap, Registrar
Operator: Presbytery of the Redwoods

Open to youth groups. Conference facilities. Day and multi-day programs. Open every day. Annual budget $250-500,000. 1 Full-time staff. 200 Acres. Lodging. Newsletter.

(163)

Whittier Narrows Nature Center and Wildlife Sanctuary

1000 N. Durfee Ave.
S. El Monte, CA 91733
(818) 444-1872
Director: Dean E. Harvey
Operator: County of LA, Dept. of Parks & Rec.

Open to youth groups and the general public. Conference facilities. Day and multi-day programs. Open every day. Hours: 9-5:30. Annual budget $50-100,000. 1 Full-time staff. 540 Acres. Camping. Newsletter.

Mission: Our center is dedicated to helping young people and adults to appreciate and conserve the natural environment through school tours, nature talks, bird walks, and the use of the center as a laboratory for science classes and individuals.

Site and Program Features: The Whittier Narrows Nature Center and Wildlife Sanctuary is a riparian woodland located along the San Gabriel River. There are four wildlife lakes which serve as homes for migrating waterfowl and resident birds. Nearly 300 species of birds have been recorded as residents or migrants. The site was a habitation site of the Gabrielino Indians and adjacent to the original site of the San Gabriel River.

VENTURE WEST
SCHOOL OF OUTDOOR LIVING

(164)

Wilderness Transitions

70 Rodeo Ave.
Sausalito, CA 94965
(415) 332-9558 or 5380
Director: Mairlyn Riley
Contact: Catherine Warren, Sec./Treas.
Operator: Wilderness Transitions Inc.

Open to the general public. Multi-day programs. Annual budget $10-25,000. 1 Full-time staff. Camping.

Mission: From time immemorial, human beings have journeyed alone into the wilderness to mark a major transition in life; to ask "Who am I?" "Why am I here?"; to discover new truths to bring back to their people. Native Americans call this the Vision Quest. Our week-long vision quest trips take small groups to a remote, safe place in the wilderness following four preparation meetings. Two days of community living at base camp deepen bonds of love and trust within the group. Each participant then finds a place apart where she/he spends three days and nights alone, usually fasting–a unique opportunity to slow down, look within, and grow.

(165)

Yosemite Institute

Box 487
Yosemite National Park, CA 95389
(209) 372-4441
Director: Vincent P. Kehoe
Contact: Brian Empie, Program Director

Open to youth groups. Multi-day programs. Open every day. Hours: 8-5 plus evening programs Seasonal changes in schedule. Annual budget more than $1,000,000. 20 Full-time staff. Lodging.

Mission: The Yosemite Institute strives to increase the environmental literacy of everyone we contact. Most of our work is done with school classes in hopes of influencing young people's awareness, and guiding them to an enlarged perspective for informed decision making as they grow older.

Site and Program Features: World-renowned Yosemite National Park is our classroom. Features like Half Dome, Yosemite Falls, the mountain snow pack, diverse coniferous forests, groves of Giant Sequoia, and the park's varied wilderness serve as teaching resources and add tremendously to the educational experience. A highly qualified staff of naturalist-educators, small groups, integration of academic content to each participating school's curriculum, and personalized teaching are program strengths.

Unique Features: Unique features include the sheer granite walls and cascading waterfalls of Yosemite Valley, along with the rest of this spectacular national park.

(166)

Young Naturalist Center

12725 Landale St.
Studio City, CA 91604
(818) 761-5968
Director: Dr. Marti Harmon

Open every day except Saturday, Sunday. Hours: 8-5

Mission: Young Naturalist Center-Family Daycare Home for Preschool Children provides a setting where, with companions of their own age, they can begin to build, mold and examine, feel, taste, hear and smell the world around them. We hope this experience will instill a deep sense of personal harmony and responsibility that not only sees it as a possibility but could make that vision a reality. If you wish to see how we support very young children as caregivers of the earth, call for further information or visit.

(167)

Youth Science Institute

16260 Alum Rock Ave.
San Jose, CA 95127
(408) 258-4322
Director: David Johnston
Contact: Deborah Jamison, Manager

Open to youth groups and the general public. Day programs. Open every day except Monday, Sunday. Hours: M-F 9-4:30; Sat. 12-4:30 Summer: Sun 10:30-5:30. Annual budget $250-500,000. 3 Full-time staff. 700 Acres. Fees charged for facility use. Newsletter.

Mission: The Youth Science Institute consists of four centers at different locations in Santa Clara County.

Site and Program Features: YSI emphasizes hands-on science learning in the classroom as well as at our centers. Summer camps and outdoor recreation adventures for kids foster direct learning in nature.

With trust and group support, people can solve seemingly unsolvable problems. (See YMCA of the Rockies, Estes Park Center, p.48)

Y.S.I.

(168)

Alamosa-Monte Vista National Wildlife Refuge

9383 El Rancho Lane
Alamosa, CO 81101
(719) 589-4021
Contact: Melvin T. Nail, Refuge Manager
Operator: U.S. Fish & Wildlife Service

> Open every day except Saturday, Sunday. Hours: 7:30-4 Closed on major holidays. 25,657 Acres.

Mission: Our center is primarily a visitor contact station for people visiting the Alamosa-Monte Vista National Wildlife Refuge complex. We provide habitat and protection for endangered species whooping crane, Bald Eagle and Peregrine Falcon. We provide the production, wintering, and migration requirements of waterfowl and other migrating birds. We also provide the life requirements of resident wildlife species.

Site and Program Features: A visitor contact station for refuge visitors contains interpretive exhibits, mounted birds, birds sounds booth, and leaflet dispensers. Facility is used to put on an environmental education teachers workshop each year. Films are shown and talks are made to school groups, other groups, and the general public by arrangement.

(169)

Balarat Outdoor Education Center

1550 S. Steele
Denver, CO 80210
(303) 837-1000, Ext. 2678
Contact: James H. Wright, Instructional Consultant
Operator: Denver Public Schools

> Open to youth groups. Day and multi-day programs. Open every day except Saturday, Sunday. Closed on major holidays. Annual budget $250-500,000. 5 Full-time staff. 650 Acres. Lodging. Newsletter.

Mission: Our mission is to increase student knowledge in academic and enrichment subject areas, awareness of man-created and natural environments, knowledge of ecology, ability for appropriate peer interaction, and competency in performing mountain environment recreation activities.

Site and Program Features: The site is at 8,000' elevation in Colorado's Front Range. Its uniqueness lies with its diversity, i.e., woodlands, meadows, ponds, stream and historic sites. Program strength: Balarat is an integral part of the Denver Public Schools and is totally funded by the school district.

Unique Features: Our site is a typical lower montane ecosystem.

Earthkeepers
KEY

Earthkeepers; one of the latest programs to be offered by the Institute for Earth Education. (See appendix B)

(170)

Bear Creek Nature Center

245 Bear Creek Rd.
Colorado Springs, CO 80906
(718) 520-6387 FAX: (719) 520-6388
Director: John Alford
Operator: El Paso County Park Dept.

> Open to youth groups and the general public. Day programs. Open every day. Hours: M-F, 8-5; Sat-Sun 12-5. Annual budget $100-250,000. 5 Full-time staff. 1250 Acres. Newsletter.

Mission: The goals of Bear Creek Nature Center are to provide educational and leisure-time interpretive opportunities for El Paso County residents and visitors in order to increase their awareness and use of El Paso County Parks' facilities; to increase their appreciation, enjoyment, and understanding of El Paso County's natural and historical environments; and to promote wise use of natural resources by stressing man's place in the environment.

Site and Program Features: Bear Creek Nature Center is an environmental education center that has a display room featuring live Colorado animals (reptiles, amphibians, native fish, and spiders); exhibits on plants, animals, geology, and outdoor activities; and a three-dimensional relief map of the Pikes Peak Region. Also, there is a media room which is used for slide presentations and other programs.

(171)

Theo L. Carson Nature Center

c/o S. Suburban Park & Rec. Dist.
6315 S. University
Littleton, CO 80123
(303) 730-1022 FAX: (303) 798-3030
Director: Patrick Gubbins

> Open to youth groups and the general public. Day programs. Open every day. Annual budget $50-100,000. 3 Full-time staff. 625 Acres.

Mission: Goals include: To tie into the school curriculum (i.e., E.E. program), to reach as many people as possible in order to shape behavior, and to provide a service that currently is not being offered in our area.

Site and Program Features: We have the potential of being the premier nature center in Colorado. We are only 12 miles from metro Denver. We will have a RTD park and ride on the corner and a bike trail that has 600 people per day using it.

(172)

Chatfield State Rec. Area

11500 N. Roxborough Park Rd.
Littleton, CO 80125
(303) 791-7275
Director: Ron Holliday
Contact: Bob Ives, Park Ranger
Operator: Army Corps of Eng./Colorado State Parks

Open to youth groups and the general public. Day programs. Open every day. Hours: 5 am - 10 pm Seasonal changes in schedule. Annual budget $250-500,000. 13 Full-time staff. 5600 Acres. Camping. Fees charged for facility use.

Mission: Our goal is to prepare pre-school through high school students to become environmentally responsible adults.

Site and Program Features: Our special feature is our diversity of habitat. Our area includes riparian, grassland, pond, lake, and wetland habitats. One of our strengths is our flexibility. We work with schools and other groups on a variety of topics that originate in the classroom and extend into the field.

Unique Features: Heron rookery on site.

(173)

Clear Creek Metropolitan Recreation District

P. O. Box 1149
Idaho Springs, CO 80452
(303) 567-4822
Contact: Sue Ann Kopmeyer, Program Manager

Open to the general public. Day programs. Open every day except Saturday, Sunday. Hours: 8:30-5 Seasonal changes in schedule. Closed on major holidays. 2 Full-time staff.

Mission: At the present time, our center does little to educate our population about the environment. We have access to such facilities but have yet to incorporate programs and interest along those lines.

(174)

Colorado Outdoor Education Center

Florissant, CO 80816
(719) 748-3341
Director: Roger/Laura Sanborn

Open to youth groups. Conference facilities. Multi-day programs. Open every day. Seasonal changes in schedule. Annual budget $500K-1,000,000. 10 Full-time staff. 6000 Acres. Lodging.

Mission: We seek to enhance a greater sense of the earth, sense of community and sense of self through a sense of wonder and joy, perspectives of time and space, knowledge of the earth's natural systems, and human interrelationships with the natural world.

Site and Program Features: Resident outdoor education programs for school districts, business/industry, museum membership, alumni groups, elderhostel, teachers and naturalists. Six thousand acres west of Pikes Peak include restored homestead, Indian tepee village, operating cattle ranch, geology digging sites, telescope center, interpretive building, challenge course, and alpine site.

Unique Features: Beautiful montane life zone setting; 5 stocked ponds; fossil and crystal digging; satellite alpine property.

(175)

Denver Museum of Natural History

2001 Colorado Blvd, City Park
Denver, CO 80205
(303) 370-6321 FAX: (303) 331-6492
Director: John Welles
Contact: Peggy Millett Zemach, Education Coordinator

Open to youth groups and the general public. Day programs. Open every day. Hours: 9-5 Annual budget more than $1,000,000. 150 Full-time staff. Fees charged for facility use. Newsletter.

Mission: The Denver Museum of Natural History encourages and advances the understanding, study and enjoyment of natural history and the sciences. By exhibiting, interpreting and preserving collections and resources held in public trust, the museum fosters understanding of the interrelationships of the physical universe, nature and human cultures.

Site and Program Features: Substantial programs for school groups, children, lectures (adult), and domestic and international travel are special features of the site.

(176)

Estes Park Center

YMCA of the Rockies
Estes Park, CO 80511
(303) 586-3341
Director: Eugene Garris
Contact: Beth J. Hitt, Outdoor Ed. Coordinator

Open to youth groups and the general public. Conference facilities. Multi-day programs. Open every day. Hours: 8-10. Seasonal changes in schedule. Annual budget more than $1,000,000. 11 Full-time staff. 1400 Acres. Lodging. Fees charged for facility use. Newsletter.

Mission: The YMCA of the Rockies, Estes Park Center, mission is to expose students to various types of learning situations through appreciation, awareness and involvement in an outdoor environment that emphasizes interrelationship, kinship and stewardship with nature.

Site and Program Features: YMCA of the Rockies is located 65 miles northwest of Denver and 3 miles southwest of Estes Park at an elevation of 8,010 feet. This center offers unique learning opportunities in an outdoor environment through exploration and discovery. Programs utilize professional educators, rustic accommodations, recreational options, and adventuresome hands-on experiences, linked with an inter-disciplinary approach to learning. "An experience that lasts a lifetime."

Unique Features: A conference center nestled into the heart of the Rockies; located adjacent to Rocky Mountain National Park.

(177)

Florissant Fossil Beds National Monument

P.O. Box 185
Florissant, CO 80816
(719) 748-3253 FAX: (719) 748-3164

Director: Noel Poe
Contact: Kathy Brazelton, Park Ranger
Operator: National Park Service

> Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: 8-7 Winter 8-4:30. Annual budget $100-250,000. 4 Full-time staff. 6000 Acres. Fees charged for facility use. Newsletter.

Mission: To preserve the scenery, natural and historic objects, and wildlife; and to provide for the enjoyment of these area in such a way that will leave them unimpaired for the enjoyment of future generations.

Site and Program Features: Excavated petrified tree stumps may be seen in two places within the park. Commercially operated until recently, these excavations have more than a dozen large stumps visible. A visitor may observe one of the largest known petrified sequoia stumps, which stands 3.4 meters (11 feet) high and about 3 meters (10 feet) in diameter.

Unique Features: 35-million-year-old fossils in shale deposits. Petrified redwood stumps from same period (Oligocene).

JEFFERSON COUNTY
OPEN
SPACE

(178)

The Foothills Nature Center

4201 N. Broadway, Box 17191
Boulder, CO 80308
(303) 442-4288

Contact: Sue Evans-Olson and Nancy Zuschlag
Operator: City of Boulder Open Space

> Open to youth groups and the general public. Conference facilities. Day and multi-day programs. Hours: As scheduled. Annual budget less than $10,000. 6 Part-time staff. 20 Acres. Fees charged for facility use. Newsletter.

Mission: The mission of the Foothills Nature Center (FNC) is to provide a facility and program that involves the Boulder community in active learning situations. To encourage informed decisions and responsible action towards forming an environmental ethic, the Foothills Nature Center seeks to involve people in learning situations that go beyond the attainment of knowledge and interpretive skills. FNC provides opportunities in which people integrate information about the environment with their personal and societal values. The ability to understand the consequences of our actions promotes responsible decisions toward a healthy environment and economy.

(179)

The Greenway & Nature Center of Pueblo

5200 W. 11th St.
Pueblo, CO 81003
(719) 545-9114

Director: Dr. Tim Merriman
Contact: Susan Finzel, Program Coordinator

> Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: 9-5 Summer: until sunset. Annual budget $100-250,000. 6 Full-time staff. Lodging. Fees charged for facility use. Newsletter.

Mission: The goal of the Greenway and Nature Center is to provide educational, recreational and conservation activities for visitors. Classes, workshops and programs are offered each month for all ages to encourage thoughtful and proper care of the outdoors and natural resources. It is the mission of the Nature Center to provide clean and healthy recreation opportunities such as biking, rafting, walking, jogging, picniking, volleyball and horseshoe playing for families.

Site and Program Features: The Waterfront is being currently developed to include a 200-ft.-long wooden fishing deck, snack bar and concession stand, ranger headquarters, and the R.A.F.T. program (River Adventure Float Trips). Another program on the site, the Raptor Center, provides rehabilitative care for injured birds of prey for release back to the wild. Its main focus is to insure the protection of these birds by educating children about their natural history and important role in the food web. Concurrently, it strives to provide the best possible medical care with limited staff and funding. All facilities and programs are handicapped-accessible.

Unique Features: We sit on the banks of the Arkansas River, which runs through Rock Canyon, rich in Cretaceous-age fossil history. A paved bike, walk, and jog trail system is accessed from our property that extends 16 miles through town along the river and Fountain Creek.

(180)

Jefferson County Open Space Nature Center

910 Colorow Rd.
Golden, CO 80401
(303) 526-0855

Contact: Melissa M. Clark, Naturalist
Operator: Jefferson County Govt.

> Open to youth groups and the general public. Conference facilities. Day programs. Open every day except Monday, Friday. Hours: 10-4 Closed Wed. & Sun. Nov.-April Closed on major holidays. Annual budget $50-100,000. 1 Full-time staff. 110 Acres. Newsletter.

Mission: We hope to increase awareness and enhance appreciation of the natural environment, specifically Jefferson County Open Space, through environmental education activities, and an interpretive nature center featuring passive and hands-on displays concerning local natural history. It is also our desire that awareness and appreciation lead to responsible human actions.

Site and Program Features: Jefferson County Open Space Nature Center is situated on 110 acres of Ponderosa pine forest. We offer self-guided interpretive trails, self-guided adventure packs, passive and hands-on interpretive displays, and a variety of naturalist-guided environmental education activities or slide programs. All our activities are free of charge.

Unique Features: Ponderosa pine forest and man-made meadow. Our other park areas give us access to every ecosystem except alpine.

(181)

Keystone Science School

Box 606
Keystone, CO 80435
(303) 468-5824
Director: Dr. Danny L. McBride

Open to youth groups and the general public. Conference facilities. Multi-day programs. Open every day. Annual budget $100-250,000. 6 Full-time staff. 16 Acres. Lodging. Camping. Fees charged for facility use. Newsletter.

Mission: The Keystone Science School is an environmental science education institution that provides learning opportunities for students of all ages. Through direct interaction with the natural environment, the institution promotes an ecological understanding, respect and stewardship.

Site and Program Features: The core curriculum is centered around wildlife biology, mountain life zones, snow physics and avalanche safety (in winter), high altitude physiology, geology and environmental issues. Survival skills and outdoor living skills can also be incorporated into the curriculum. The Science School facility is designed to accommodate groups enrolling 10-100 students at elementary, secondary or college level. A special program is designed to suit each group's individual needs. Summer camp programs are open to individuals aged 9-17. Residential outdoor programming during the traditional school year involves cross-country skiing in winter and hiking in the other months.

Unique Features: The Keystone Science School is located on 16 acres of National Forest Service land in the spectacular Colorado Rocky Mountains. Opportunitites to observe montane, subalpine, and alpine environments.

(182)

John May Museum Center

710 Rock Creek Canyon
Colorado Springs, CO 80901
(719) 576-0450
Director: John M. May
Contact: Louise Steer, Assistant Director

Open to youth groups and the general public. Conference facilities. Day and multi-day programs. Open every day. Hours: 8-9. Open 5/1 - 9/30 Annual budget $50-100,000. 4 Full-time staff. 1000 Acres. Lodging. Camping. Fees charged for facility use.

Mission: Our primary goal is to bring together good and valuable specimens of the natural world so that they may be preserved and presented to the public and scientific communities for centuries to come.

Site and Program Features: We have occupied our present buildings for almost 50 years and plan to build a much expanded science building. Colorado's low humidity and climate in this location are a great asset in this regard. We have large acreage with high mountains west of our building sites and U.S. government defense facilities next to us on the east. Family operated and much of it will be donated to a deserving university to be kept on the site.

Unique Features: Junction of Rocky Mountains, Great Plains, and semi-desert. Most of the area is well wooded, 5 man-made lakes, cliffs, and mountains on property from 6,000' altitude to 8500'.

(183)

Mesa Verde National Park

P.O. Box 8
Mesa Verde, CO 81330
(303) 529-4465 FAX: (303) 529-4465 Ext. 41
Director: Robert C. Heyder
Operator: National Park Service

Open to youth groups and the general public. Day programs. Open every day. Hours: 8-5 Oct.-May. 8-6:30 May-Sept.Seasonal changes in schedule. Annual budget more than $1,000,000. 45 Full-time staff. 52,000 Acres. Lodging. Camping. Fees charged for facility use. Newsletter.

Mission: Mesa Verde is the only national park set aside to preserve the works of man. It is designed to protect the over 4,000 archeological sites of a culture known as the Anasazi, who lived in the area from around A.D. 550-A.D.1300. In addition to its function as a cultural area, it is also a natural area protecting a variety of flora and fauna. The National Park Service mission involves protecting the area, but at the same time using and enjoying it.

Site and Program Features: The special features are the cliff dwellings and surface sites which represent the Anasazi culture. The park allows visitors to learn about the culture and enjoy the area at the same time. There is limited hiking because of the archeological sites in the back country, but visitors get an overall understanding of the Mesa Verde Anasazi.

Unique Features: The park is known for its over 4,000 archeological sites, 600 of which are cliff dwellings.

(184)

Mountain Research Station

University of Colorado
818 County Rd. 116
Nederland, CO 80466
(303) 492-8841 FAX: (303) 492-6388
Director: Dr. David W. Inouye
Contact: Ruth Cameron, Admin. Asst.

> Open to youth groups. Conference facilities. Day and multi-day programs. Open every day. Hours: 7:30-4:30 Closed on major holidays. Annual budget $100-250,000. 4 Full-time staff. 300 Acres. Lodging. Camping. Fees charged for facility use. Newsletter.

Mission: The Mountain Research Station of the University of Colorado is an interdisciplinary research facility; it supports research in biology, geology, geography and climatology. It also offers summer, winter, and spring courses for high school, undergraduate and graduate students in these subjects.

Site and Program Features: The Mountain Research Station has a long history of research and teaching in the montane and alpine environment of the Front Range of the Colorado Rocky Mountains. It is located at 9,500 feet, and has easy access to the alpine area of Niwot Ridge and to elevations down to Boulder, 25 miles away at 5,400 feet.

Unique Features: Easy access to alpine station located at 9,500 ft.

(185)

Northern Colorado Nature Center

2400 S. Co. Rd. #9
Fort Collins, CO 80525
(303) 482-3061
Director: Dr. Howard R. Alden
Contact: Don Rodriguez, Manager
Operator: Colorado State University

> Open to youth groups and the general public. Day programs. Open every day. Hours: Sunrise to sundown Annual budget $25-50,000. 2 Part-time staff. 190 Acres. Newsletter.

Mission: In a university and community setting, provide opportunities for field teaching, research and demonstrating ecological relationships, urban resource management, conservation education and environmental values.

Site and Program Features: The Nature Center site is 180 acres of prime bottom land hardwood at the eastern edge of the city of Fort Collins. The site has a wetlands area, ponds and the Poudre River running through it. Strengths of the program are the working relationship between the university, the school district, the community and the private sector. The program reflects this working relationship. Implementation is a function of a strong volunteer program and work staff.

(186)

Outdoor Education Laboratory School

1631 County Road 480
Evergreen, CO 80439
(303) 674-3633
Director: James R. Jackson

> Open to youth groups and the general public. Conference facilities. Multi-day programs. Open every day except Sunday. Closed in July. Closed on major holidays. Annual budget $250-500,000. 2 Full-time staff. Lodging. Camping. Newsletter.

Mission: The learning experiences at OELS-Mt. Evans and OELS-Windy Peak are based upon the District's curriculum; are interdisciplinary in nature; and are designed to meet the needs and abilities of each specific group of students.

Site and Program Features: The Outdoor Education Program is an integral part of Jefferson County Public Schools' sixth-grade curriculum and is frequently mentioned by Jeffco students as the highlight of their elementary school experience. Begun in 1957, the program now operates year-round at two Outdoor Education Laboratory Schools located in the Rocky Mountains west of Denver at an elevation of 8,100 feet.

During the week at Outdoor Lab, students study core classes and nature trails such as animal habitats, compass and mapping, forestry, geology, mountain ecology, pioneer studies, water study, and soil and land use. They also select special interest classes including archery, bird study, camera hikes, flowers of the Rockies, life zones, tracking and weather.

northern colorado
NATURE
CENTER

(187)

Overland Trail Museum

Centennial Sq.
Sterling, CO 80751

> Open to youth groups and the general public. Open every day. Hours: M-Sat. 9-5; Sun. 10-5 Closed 10/1 to 5/1 Annual budget $25-50,000. 5 Part-time staff.

Mission: The goal of our society is to conserve and preserve the artifacts of the local history for future generations and to tell the story of the Overland Trail along the S. Platte River.

Site and Program Features: Our site features natural grasses, flowers, petrified wood, building built as replica of a fort, a 1-room school, country church, and a blacksmith shop. The OverlandTrail Museum is built on the Overland Trail used by the pioneers in the 1860s.

(188)

Pingree Park Campus

Colorado State University
Fort Collins, CO 80523
(303) 491-7377
Director: Dr. William Bertschy
Operator: Colorado State University

> Open to youth groups and the general public. Conference facilities. Day and multi-day programs. Open every day. Closed Nov.-April. Annual budget $250-500,000. 2 Full-time staff. 1600 Acres. Lodging. Fees charged for facility use.

Mission: The role of the Pingree Park Campus is: (1) to provide lodging, food services, classrooms, and all other services to support an academic, conference and institute, and research mission for the university; (2) to manage the facilities and surrounding property in an environmentally sensitive way so as to enhance and protect the unique and valuable natural resources of the area; and (3) to educate users to develop sensitivity to the natural environment and protection of natural resources.

Site and Program Features: Pingree Park is Colorado State University's mountain campus. The property includes over 1,600 acres and 70 buildings and is surrounded by public lands on three sides and private property on the fourth side. Since 1914, the primary mission of the campus has been to provide a unique and outstanding natural resource base for instruction and research.

(189)

Rocky Mountain National Park

Estes Park, CO 80517
(303) 586-2371
Director: James B. Thompson
Contact: Christy Metz, Information Officer
Operator: National Park Service

> Open to the general public. Day and multi-day programs. Open every day. Annual budget more than $1,000,000. 97 Full-time staff. 265,193 Acres. Fees charged for facility use. Newsletter.

Mission: To "conserve the scenery, the natural and historic objects and the wildlife therein and to provide for the enjoyment of the same in such a manner and by such means as will leave them unimpaired for the enjoyment of future generations." National Park Service Act, August 25, 1916

Site and Program Features: It is a natural area protected to preserve habitat for wildlife and beauty for all to see. The Continental Divide runs through the park, and can be driven or hiked to. The headwaters of the Colorado River are in the park. Elk, deer, big horn sheep, a few moose, black bears, and mountain lions all make their home here and can sometimes be observed. There are many beautiful mountains and lakes.

Unique Features: 1/3 of the park is above timberline, called alpine tundra; Trail Ridge Road is the highest continuous paved in the U.S. with a high point of 12,183; Longs Peak is the highest point in the park, 14,255'; and Continental Divide runs across the park.

(190)

Science Discovery Program Campus

Box 249, School of Education
University of Colorado
Boulder, CO 80309
(303) 492-8640
Director: Carol McLaren
Operator: University of Colorado

> Open to youth groups. Day and multi-day programs. Open every day except Sunday. Hours: 8-5; Planetarium also for p.m. shows. Closed on major holidays. Annual budget $50-100,000. Fees charged for facility use.

Mission: Science is best learned by being involved in hands-on experiences, both inside and outside in natural environments. The study of science should enhance children's natural curiosity and excitement about the world around them.

Site and Program Features: The Science Discovery Program offers over 100 hands-on science classes for children throughout the year, with a majority of them meeting during the summer. Assembly and classroom programs travel to the local schools. Teacher training workshops are designed to support hands-on science learning. A program for both teachers and children together travels throughout the State of Colorado to enhance rural science education.

Unique Features: The Fiske Planetarium is located on the University of Colorado Campus in Boulder. The Science Discovery Program uses these facilities along with the surrounding environments for field trips.

(191)

South Platte Visitor Center

9307 State Highway, #121
Littleton, CO 80123
(303) 979-4120 FAX: (303) 979-6082
Director: Jack Unitt
Contact: Mark Gabso, Park Ranger
Operator: U.S. Army Corps of Engineers

Open to youth groups and the general public. Day programs. Open every day except Saturday, Sunday. Hours: 8-4 May-Labor Day: weekends/holidays 9-5. Annual budget $25-50,000. 3 Full-time staff. 7000 Acres.

Mission: The South Platte Visitor Center is a regional Corps of Engineers facility with exhibits which provide visitors to Chatfield Lake with information about Denver's flood plagued history, the relationship of flooding to environmental conditions found along the Front Range, and the Corps' role in controlling such flood waters.

Site and Program Features: Arrangements for group tours of the Visitor Center, Chatfield Dam site, and natural areas along the lakeshore can be made throughout the year. Additionally, scheduled tours of the dam and lakeshore are conducted for the general public during the summer months. The Visitor Center exhibit area is available for self-guided tours anytime during hours of building operation. Dam tours normally include a walk into the intake tower and outlet works to view the gate operating equipment and tunnels that run beneath the dam. Lakeshore tours travel to such areas as the heron rookery overlook and east shore beaver dams.

Unique Features: The Visitor Center is located on a bluff overlooking Chatfield Lake. The site also provides panoramic views of the Rocky Mountains, Denver suburbs, and surrounding plains.

(192)

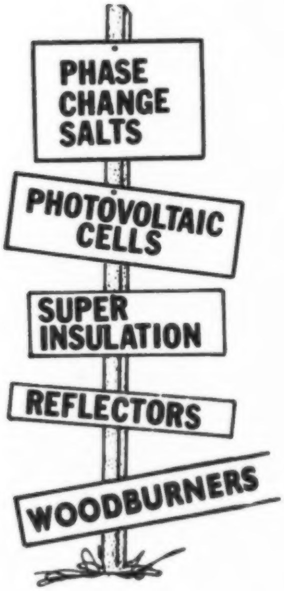
University of Colorado Museum

Broadway and 15th
Boulder, CO 80309
(303) 492-6892
Director: Dave Armstrong
Contact: Becky Phillips, Public Programming

Open to youth groups and the general public. Day programs. Open every day. Hours: M-F 9-5; Sat. 9-4; Sun. 1-4 Closed on major holidays. Annual budget $500K-1,000,000. 14 Full-time staff.

Mission: The general mission of the University of Colorado Museum is to provide a mechanism by which the study of objects can contribute to knowledge of nature and humanity.

Site and Program Features: The University of Colorado Museum houses extensive collections in anthropology, botany, geology, and zoology. It preserves specimens and objects from throughout the Rocky Mountain Region, making it a primary resource for faculty and student research. Through internships and assistantships, the museum provides professional experience to students in the field and in the laboratory.



The environmental movement has generated public demand for new and better technology. Nature centers often serve as demonstration facilities for these products.

A well-planned display can help people get hands-on experience with even the prickliest of subjects, porcupine quills included! Photo courtesy of New Canaan Nature Center

(193)

Bartlett Arboretum, Univ. of Conn.

151 Brookdale Rd.
Storrs, CT 06903
(203) 322-6971
Director: Sharon Morrisey
Operator: University of Connecticut

Open to youth groups and the general public. Day programs. Open every day. Hours: 8:30-Sunset Annual budget $50-100,000. 3 Full-time staff. 63 Acres. Newsletter.

Unique Features: Approximately 1/3 of this property consists of managed gardens and plant collections, major collections of conifers, ericaceous plants, witches' brooms, native exotic trees and shrubs, and perennials.

(194)

Birdcraft Museum Conn. Audubon Society

314 Unquwa Rd.
Fairfield, CT 06430
(203) 259-6305
Director: Milan Bull

Open to youth groups and the general public. Day programs. Open Saturday, Sunday. Hours: 9-5 Annual budget $25-50,000. 1 Part-time staff. 6 Acres.

Mission: Birdcraft Museum (as a part of the Connecticut Audubon Society) is an independent non-profit, membership-supported organization dedicated to conservation, education and research. Through our programs we work to spark an interest in our ecological systems so as to develop an environmental ethic.

Site and Program Features: Birdcraft Museum has a variety of wildlife diaramas. One of the highlights of this museum is the six acre bird sanctuary and bird banding programs.

(195)

Brooksvale Recreation Park

524 Brooksvale Ave.
Hamden, CT 06518
(203) 248-0440
Contact: James W. Grandy, Rec. Supervisor
Operator: Town of Hamden/Parks & Rec. Dept.

Open to youth groups and the general public. Day programs. Open every day. Hours: 8 am to 1/2 hr. after sunset Annual budget $50-100,000. 1 Full-time staff. 195 Acres. Camping.

Mission: Our mission is to provide outdoor recreation/education to the taxpayers of the town of Hamden.

Site and Program Features: We have a neat and clean environment for the above!

LIVING LIGHTLY
IN THE CITY

Living Lightly In The City, one of several curricula offered by Schlitz Audubon Center. (See Appendix B)

(196)

Bruce Museum

1 Museum Dr.
Greenwich, CT 06830
(203) 869-0376
Director: John B. Clark
Contact: Frank Lawlor, Curator of Science

Open to youth groups and the general public. Day programs. Open every day except Monday. Hours: T-Sat 10-5; Sun. 2-5 Closed on major holidays.

Mission: The Bruce Museum, a museum of the arts and sciences, exhibits, interprets, preserves, and collects objects that reflect American cultural history and our native environments.

Site and Program Features: The Bruce Museum offers hanging exhibitions, collections, and programs in natural science and American history. Young visitors individually and in school groups participate in hands-on marine life and environmental activities.

(197)

Bushy Hill Nature Center

Box 577
Bushy Hill Rd.
Ivoryton, CT 06442
(203) 767-0848
Contact: Phil Miller, Dir. Naturalist
Operator: Episcopal Camp & Conf. Center

Open to youth groups and the general public. Conference facilities. Day and multi-day programs. Open every day. Seasonal changes in schedule. Closed on major holidays. Annual budget $500K-1,000,000. 5 Full-time staff. 680 Acres. Lodging. Camping. Fees charged for facility use. Newsletter.

Mission: We wish to facilitate learning about the earth by active investigation so that people will understand that we can be stewards of our planet, preserving biodiversity, strengthening ourselves.

Site and Program Features: This unique property offers many areas to study, from typical Connecticut woodlands and fields, to hemlock ravines, Bushy Hill Lake and a rare swamp of Atlantic white cedar trees. Trails and boardwalks traverse much of the area, allowing for close-up study of the natural world.

Unique Features: Bushy Hill contains Atlantic white cedar swamp with boardwalk.

(198)

Camp Jewell YMCA Outdoor Ctr.

Prock Hill Road
Colebrook, CT 06021
(203) 379-2782
Director: Gary Forster
Contact: Tom Madeyski, Assoc. Dir.
Operator: The Hartford YMCA

> Open to youth groups and the general public. Conference facilities. Multi-day programs. Open every day. Annual budget more than $1,000,000. 4 Full-time staff. 500 Acres. Lodging. Newsletter.

Mission: The Hartford YMCA is an association of persons of all ages, ethnic groups and religious affiliations who are united in a common effort to put Christian principles into practice and to enrich the quality of spiritual, mental, physical and social life for our children, our families, ourselves and our community. We seek to build, through spiritual, intellectual, social and physical activities, a world-wide fellowship united in loyalty to God and primarily concerned with the development of Christian personality and attitude throughout our society. The YMCA strives to serve all people, regardless of ability to pay. Financial aid information is available by contacting our office.

Site and Program Features: The Camp Jewell YMCA, Connecticut's finest resident camp and retreat center, offers year-round programs to people of all ages. Excellent facilities and committed YMCA offer quality, character-building experiences to over 10,000 people each year!

Unique Features: Camp Jewell contains 500 acres of northwestern Connecticut hardwood and hemlock mix forests.

(199)

Darien Nature Center

P.O. Box 1603
Darien, CT 06820
(203) 655-7459
Director: Rick Duffy
Contact: Nancy Sava, Administrative Coordin.

> Open to youth groups and the general public. Day programs. Open every day. Hours: M-F 9-5; Sat. 10-2 Summer: M-F 9-1; Sat. 11-2 Closed on major holidays. Annual budget $25-50,000. 1 Full-time staff. 25 Acres. Newsletter.

Mission: The Darien Nature Center is a small, young institution dedicated to educating the local population about its valuable natural resources and the need to preserve such resources for the benefit of future generations.

Site and Program Features: The Darien Nature Center uses the whole town of Darien for field trips and education. Situated between two rivers and Long Island Sound, a variety of ecosystems are available for study by all ages.

(200)

Dinosaur State Park

West Street
Rocky Hill, CT 06067
(203) 529-8423
Director: Richard Krueger
Operator: Conn. Dept. of Environ. Protection

> Open to youth groups and the general public. Day programs. Open every day except Monday. Hours: 9-4:30 Annual budget $100-250,000. 3 Full-time staff. 40 Acres. Fees charged for facility use. Newsletter.

Mission: Our programs are focused on the interpretation of our unique site, with emphasis on local paleontology and geology and to a lesser extent on local botany and wildlife.

Site and Program Features: Dinosaur State Park features a large on-site display of dinosaur tracks enclosed in the geodesic dome Exhibit Center which also includes an exhibit hall, auditorium and demonstration room. The Park's 40 acres include one mile of surfaced trails through meadows and forest and a 300 foot swamp boardwalk.

Unique Features: The park contains the largest dinosaur trackway in North America - 2000 tracks with 500 on display in the Exhibit Center.

(201)

Fairfield Nature Center

Connecticut Audubon Society
2325 Burr St.
Fairfield, CT 06430
(203) 259-6305
Director: Milan G. Bull

> Open to youth groups and the general public. Conference facilities. Day programs. Open every day except Monday, Sunday. Hours: 9-4:30 Open Sundays, spring and fall. Closed on major holidays. Annual budget $500K-1,000,000. 8 Full-time staff. 160 Acres. Fees charged for facility use.

Mission: The Connecticut Audubon Society is an independent, nonprofit, membership-supported organization dedicated to conservation, education and research. Through our programs for people of all ages, we work to spark an interest in our ecological systems so as to develop an environmental ethic.

Site and Program Features: Fairfield Nature Center features the 160-acre Larsen Sanctuary with a variety of habitats, such as ponds, streams, fields, and wooded wetlands. Also, there is an animal compound open for viewing. Our program focuses on hands-on educational experiences for all ages.

Farm animals help children see the other side of a hamburger and a lot more, too, at the Hungerford Outdoor Education Center. Photo courtesy New Britian Youth Museum

(202)

Holland Brook Nature Center

Connecticut Audubon Society
1361 Main St.
Glastonbury, CT 06033
(203) 633-8402
Director: Kate S. Powell

> Open to youth groups and the general public. Day programs. Open every day except Monday. Hours: T-F 1-5; Sat. 10-5; Sun. 1-4 Closed Sundays in January. Closed on major holidays. Annual budget $50-100,000. 1 Full-time staff. 48 Acres. Newsletter.

Mission: We are a small environmental education center providing environmental educational programming for local schools and adults and children.

Site and Program Features: The center has access to the Connecticut River. We adjoin a town-owned park–48 acres which is mostly wooded with a beautiful stream running through it. The program is very flexible.

Unique Features: Our site abuts the Connecticut River.

(203)

Hungerford Outdoor Ed. Center

191 Farmington Ave.
Kensington, CT 06037
(203) 827-9064
Director: Alan J. Krauss
Contact: Donna Welch, Program Coord.
Operator: New Briatin Youth Museum

> Open to youth groups and the general public. Day programs. Open every day except Monday. Hours: T-F, Sun. 1-5; Sat. 10-5 Closed on major holidays. Annual budget $100-250,000. 4 Full-time staff. 50 Acres. Fees charged for facility use. Newsletter.

Mission: To teach the interrelationships of people, their environments and cultures, through exhibits and related educational activities.

Site and Program Features: The center is housed in a 50-year-old show-horse stable. The site offers easily accessible trails through varieties of habitats. Program focus is: ecology and energy, food and nutrition, and humane education.

(204)

Mystic Marinelife Aquarium

55 Coogan Blvd.
Mystic, CT 06355
(203) 536-9631 FAX: (203) 572-0761
Director: Laura Kezer
Contact: George Donnelly, Community Relations Dir.
Operator: Sea Research Foundation

> Open to youth groups and the general public. Day programs. Open every day. Hours: 9-6 July 4-Labor Day open 9-7 Closed on major holidays. Annual budget more than 1,000,000. 70 Full-time staff. Fees charged for facility use. Newsletter.

Mission: Mystic Aquarium is dedicated to research and education of the marine environment.

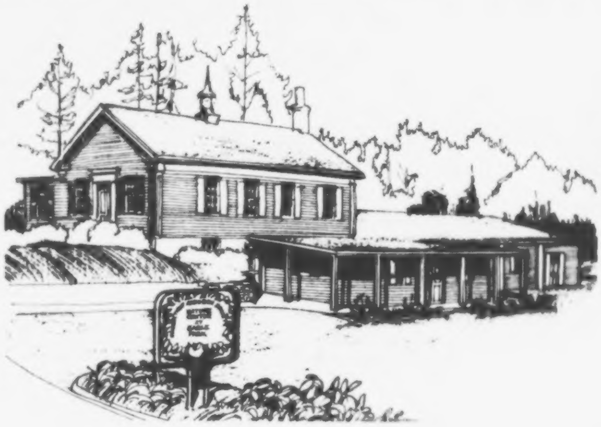
(205)

National Environmental Education Center

613 Riversville Rd.
Greenwich, CT 06831
(203) 869-5272 FAX: (203) 869-4437
Director: Philip Schaeffer
Contact: Jean Porter, Dir. of Operations
Operator: National Audubon Society

> Open to youth groups and the general public. Open every day except Monday. Hours: 9-5 Closed on major holidays. Annual budget more than $1,000,000. 8 Full-time staff. 485 Acres. Fees charged for facility use.

Mission: The National Environmental Education Center administers and operates several broadly focused programs for the National Audubon Society, including the Audubon Ecology Camps and Workshops and Audubon Adventures, in addition to maintaining a full-service community nature center.



Holland Brook Nature Center

(206)

The Nature Center for Environmental Activities

10 Woodside Ln.
Westport, CT 06880
(203) 227-7253
Director: John D. Horkel, Ph.D

> Open to youth groups and the general public. Day programs. Open every day. Hours: 9-5; except 1-4 Sun Closed on major holidays. Annual budget $500K-1,000,000. 11 Full-time staff. 62 Acres. Newsletter.

Mission: Goals are to: (1) preserve local flora and fauna; (2) present program of environmental education, protection and interpretation; (3) discuss, investigate and solve environmental problems; (4) acquire and preserve land; and (5) function as a museum of natural science.

Site and Program Features: The Nature Center is a mid-sized nature center/natural history museum located on a 62-acre sanctuary in suburban Westport, CT. Some 75,000 persons from the surrounding communities and tourists visit annually. The center conducts a full-time nursery school with capacity enrollment, over 400 classes in 25 towns annually, a 25-week volunteer training course, and a Junior Staff program of 7-12 grade volunteers. In addition to numerous special events, lectures and outdoor expedition programs, the center has an exhibit hall with permanent and traveling exhibits.

(207)

New Canaan Nature Center

144 Oenoke Ridge
New Canaan, CT 06840
(203) 966-9577
Director: Kenneth H. Finch

Open to youth groups and the general public. Day programs. Open every day except Monday. Hours: 9:30-4:30; except 12:30-4:30 Sun Closed on major holidays. Annual budget $250-500,000. 6 Full-time staff. 40 Acres. Newsletter.

Mission: Our mission is to increase the public's understanding and appreciation of our natural world, as well as of human effects upon it.

Site and Program Features: Broad-based public scholastic programming that emphasizes student involvement; 2,500-square-foot "Discovery Center" of hands-on exhibits (1988); 4,000-square-foot teaching greenhouse (1983); extensive summer day camp; 9-month nature-focused nursery school; 2 miles of trails; boardwalk, 2 ponds, meadows, forest and swamp; and teaching collection of live animals.

(208)

New Pond Farm Education Center

101 Marchant Rd.
West Redding, CT 06896
(203) 938-2117
Director: Ann Taylor

Open to youth groups and the general public. Day programs. Open every day except Monday, Sunday. Hours: 8:30-5 Annual budget $100-250,000. 2 Full-time staff. 102 Acres. Lodging. Newsletter.

Mission: In 1975, actress and environmentalist Carmen Mathews began a residential summer camp for underprivileged youngsters from the inner cities of New York and Connecticut on her 102-acre property "New Pond Farm." In 1983, New Pond Foundation was established and the farm became a year-round education center, providing environmental awareness programs for people of all ages from Redding and the surrounding communities.

Site and Program Features: New Pond Farm is often described as one of the most spectacular and scenic properties in Connecticut. The 2.5 miles of walking trails will provide you with an opportunity to read the landscape and experience the variety of habitats on our 102-acre farm. We have excellent examples of woodlands, meadows, pond, marsh, stream and pastures.

Dinosaurs are popular subjects for study at Holland Brook Nature Center.

"The Teaching Greenhouse" at New Canaan Nature Center.

(209)

Northeast Audubon Center

RR 1 Box 171
Sharon, CT 06069
(203) 364-0520
Director: Marshal T. Case
Operator: National Audubon Society

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: 9-5; except 1-5 Sun Closed Mon. Jan-Mar Closed on major holidays. Annual budget $250-500,000. 3 Full-time staff. 684 Acres. Fees charged for facility use. Newsletter.

Mission: Northeast Audubon Center is a regional facility of the National Audubon Society. It has a dual purpose of providing basic research, education and environmental action within the focus of the tri-state area (MA, NH, CT) and networking throughout the northeast, in particular working with the 100 local chapters.

Site and Program Features: A sanctuary with multi-habitats and a strong networking capability with national impact as a result of the national education headquarters being located on the same site. A special feature is the training ground for both naturalists and administrators.

(210)

Eliot Pratt Education Center

163 Papermill Rd.
New Milford, CT 06776
(203) 355-3137
Director: Catherine Setterlin

Open to youth groups and the general public. Day programs. Open every day. Hours: Weekdays 8-5 Seasonal changes in schedule. Closed on major holidays. Annual budget $100-250,000. 4 Full-time staff. 180 Acres. Newsletter.

Mission: Our goal is to create a life-long interest and respect for the natural environment through a process of discovery and exploration that is motivated by a sense of wonder.

Site and Program Features: The Eliot Pratt Education Center offers people of all ages an opportunity to learn about the natural world through our school, community and summer programs. Activities take place on 180 acres of field, forest, pond, stream and farmland. Also, we travel to schools in over 30 towns.

(211)

Roaring Brook Nature Center

70 Gracey Rd.
Canton, CT 06019
(203) 693-0263
Director: Jay Kaplan
Operator: Science Museum of Connecticut

Open to youth groups and the general public. Day programs. Open every day except Monday. Hours: 10-5; except 1-5 Sun July-Aug open Mondays Closed on major holidays. Annual budget $100-250,000. 3 Full-time staff. 115 Acres. Fees charged for facility use. Newsletter.

Mission: A primary nature center goal is to increase the environmental awareness of our members and visitors; an awareness of the various interrelationships that exist within the natural world, as well as a greater awareness of how people affect and are affected by the environment in which they live.

Site and Program Features: A strength of the Roaring Brook Nature Center program is the wide range of programs and activities offered year round for all age groups. Special features include exhibits on area natural history, a replica of an eastern woodland Indian longhouse, captive native animals (wildlife rehab program) adjacent to 100 acres of State forest land with well-marked nature trails.

"What's that bird?" is an easy question to answer at Thames Science Center.

(212)

Schooner, Inc.

60 S. Water St.
New Haven, CT 06519
(203) 865-1737
Director: Pamela Wuerth

Open to youth groups and the general public. Day and multi-day programs. Open every day. Hours: 8-6 Annual budget $100-250,000. 5 Full-time staff. 2 Acres. Newsletter.

Mission: Schooner, Inc., is a marine education organization devoted to the conservation of Long Island Sound and the preservation of our local marine resources, history, and culture. Experiential studies in marine biology, oceanography, and coastal ecology are provided on board the J.N. Carter, in schools and at coastal study sites along the Connecticut shoreline.

Site and Program Features: Students work alongside Schooner's marine biologists and the crew of the Carter, Connecticut's only sailing research vessel. Located in New Haven Harbor, we are in a prime location to help students experience the interaction among a valuable ecological habitat, a valuable economic resource, and the human use of both.

Unique Features: New Haven Harbor is a developed waterfront with viable marine ecosystems and valuable economic resources.

(213)

Science Museum of Connecticut

950 Trout Brook Dr.
West Hartford, CT 06119
(203) 236-2961
Director: Robert Content
Contact: Hank Gruner, Dir. of Zoology

Open to youth groups and the general public. Day programs. Open every day. Hours: M-Sat. 10-5; Sun. 1-5 Seasonal changes in schedule. Closed on major holidays. Annual budget more than $1,000,000. 21 Full-time staff. Fees charged for facility use. Newsletter.

Mission: Our mission is to increase public understanding of science, technology and the environment through active exhibits and educational programming.

Site and Program Features: We are a well-established educational programming service with a wide range of topics; schedule of rotating major exhibits including Robotic dinosaurs, genetics, raceways, Black achievors in Science, etc.; large aquarium, planetarium, live animal center, and a physical science discovery room with public shows daily.

(214)

Thames Science Center

Gallows Lane
New London, CT 06320
(203) 442-0391 FAX: (203) 437-0406
Director: Jane A. Holdsworth
Contact: Sigrid D. Lewis, Asst. to the Dir.

Open to youth groups and the general public. Conference facilities. Day and multi-day programs. Open every day. Hours: M-Sat. 9-5; Sun. 1-5 Closed on major holidays. Annual budget more than $1,000,000. 12 Full-time staff. Fees charged for facility use. Newsletter.

Mission: People depend on and take pleasure in their environment. They share a common evolutionary origin with all other species and are qualitatively like them in most fundamental aspects of their makeup and existence. But they are unique among the species in the scope of their ability to control, hence harmonize with or degrade their environment. The Thames Science Center is dedicated to playing a constructive role in the relationship between people and their environment. Our involvement in the interaction between people and their environment will focus specifically on eastern Connecticut. In order to encourage a special awareness of this regional environment, the Thames Science Center will offer levels of intellectual involvement with all the sciences and applied technology.

Site and Program Features: The science museum, a modern, skylight-domes modular structure, is an attractive, friendly place which encourages exploration, discovery and the joy of learning. The Thames Science Center's pedagogical approach is object-oriented and interdisciplinary. We begin our programs not with a set of abstract principles and concepts within a narrow subject area, but with objects which generate a wide range of questions and curiosities. Obviously, this "object-oriented" learning is particularly applicable in a museum environment.

(215)

White Memorial Foundation and Conservation Center, Inc.

Box 368
South of Route 202
Litchfield, CT 06759
(203) 567-0015

Contact: Jeff Greenwood, Museum Director
Director: Gene F. Marra

> Open to youth groups and the general public. Day and multi-day programs. Open every day except Monday. Hours: 9-5; except 11-5 Sun Winter hr. 8:30-4:30; 11-4:30 Sun Closed on major holidays. Annual budget $100-250,000. 4 Full-time staff. 4000 Acres. Lodging. Camping. Newsletter.

Mission: We are devoted to increasing the knowledge and understanding of adults and children in the fields of the natural sciences and the conservation of natural resources. We interpret local natural history phenomena and the principles they illustrate, helping people to see more of what is happening around them and understand more of what they see.

Site and Program Features: With access to the White Memorial Foundation's 4,000-acre wildlife sanctuary, a wide array of environments and inhabitants are available for study and appreciation. Four unique natural areas are permanently preserved. Our museum and outstanding nature library, along with the Carriage House residence center, provide learning resources available to groups on a year-round basis.

Unique Features: Four natural areas comprising 200 acres are set aside for preservation and study. They include swamp/marsh area, old growth forest, bog-like wetland and rock outcrop.

(216)

Woodcock Nature Center

50 Deer Run Rd.
Wilton, CT 06897
(203) 762-7280

Director: Robert Ayotte

> Open to youth groups and the general public. Day programs. Open every day except Monday. Hours: 9-5 Closed on major holidays. Annual budget $50-100,000. 1 Full-time staff. 143 Acres. Newsletter.

Mission: Our mission is to provide a site and facilities to enhance environmental education and recreation for residents in surrounding communities. We hope to encourage people, young and old, to have a better understanding of—and influence on—our environment.

Site and Program Features: Features include 143 acres, pond, stream, woodlands, and 1.5 miles of trails. We have Broad programming and wide flexibility in programs and scheduling, and a very supportive board of directors and volunteers. Interesting architecture for interpretive center and scenic setting.

Reach! - at Nature's Classroom, children learn to stretch their muscles and their minds.

(217)

Abbotts Mill Nature Center

Delaware Nature Society
RD 4, Box 207
Milford, DE 19963
(302) 422-0847
Director: Michael E. Riska

Open to youth groups and the general public. Conference facilities. Open every day except Saturday, Sunday. Hours: 8:30-4:30 Seasonal changes in schedule. Annual budget $500K-1,000,000. 2 Full-time staff. Fees charged for facility use.

(218)

Ashland Nature Center

Delaware Nature Society
Box 700
Hockessin, DE 19707
(302) 239-2334
Director: Michael E. Riska
Contact: Linda Young, Publicist

Open to youth groups and the general public. Conference facilities. Day and multi-day programs. Open every day except Sunday. Hours: 8:30-4:30 Closed on major holidays. Annual budget $500K-1,000,000. 12 Full-time staff. 600 Acres.

Mission: The Delaware Nature Society strives to develop an understanding of our environment and a sense of stewardship through a wide variety of programs for ages 1 1/2-18, adults, families, school classes and public groups. It also plays a strong role in promoting the preservation of unique natural areas and the implementation of laws to protect the quality of water systems.

Site and Program Features: A private, nonprofit organization, the Delaware Nature Society has a full-time professional staff that coordinates programs and environmental conferences, serves as a vital source of natural history information for the public, and provides training for interns and school teachers. Each year, a graduate-level Environmental Institution Management course is held which attracts students nationwide.

(219)

Seaside Nature Center

42 Cape Henlopen Dr.
Lewes, DE 19966
(302) 645-6852
Contact: Michael J. Kennedy, Park Interpreter
Operator: State of Delaware, Dept. of Nat. Res.

Open to youth groups and the general public. Conference facilities. Day and multi-day programs. Open every day. Hours: 9-5 Winter: open M-F Closed on major holidays. Annual budget $25-50,000. 1 Full-time staff. 3000 Acres. Lodging. Camping. Fees charged for facility use.

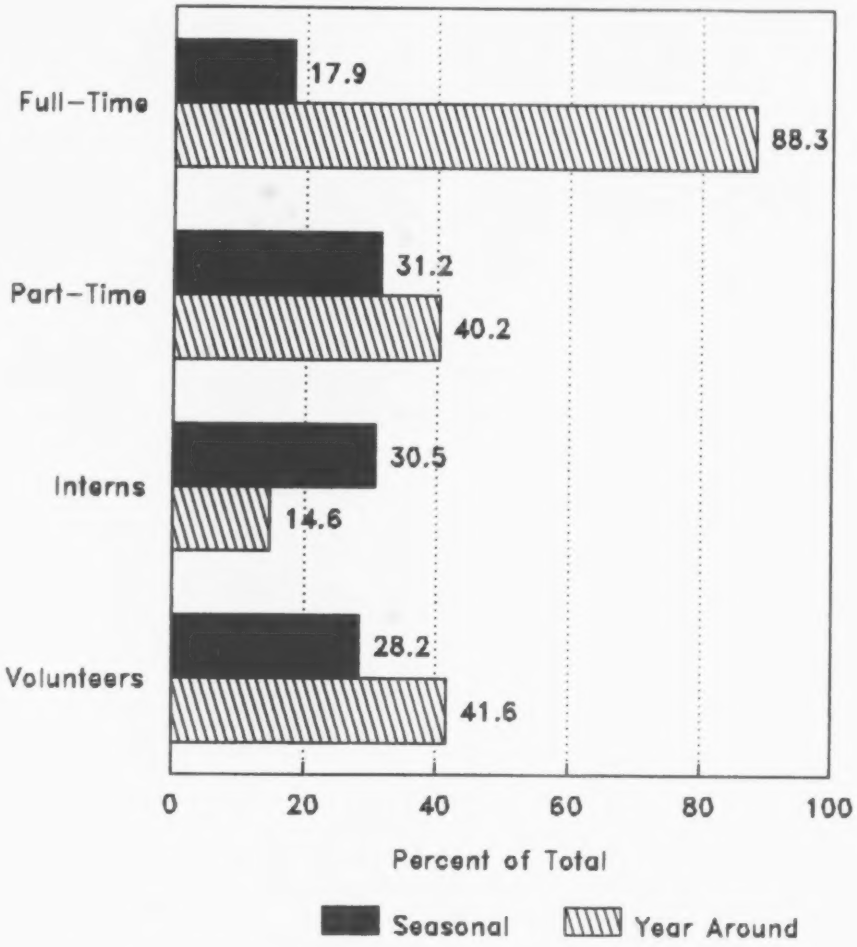
Mission: The Seaside Nature Center serves as a vehicle of understanding man's role in the environment. The center stresses in each program that man is part of a large, interdependent system (Earth) and not the controller of this system. The center tries to reach as many different populations as possible, including the handicapped, children, seniors, and adults.

Site and Program Features: The Seaside Nature Center is located in Cape Henlopen State Park in coastal Delaware. The park is 3,000 acres of tidal marsh, sand dune, pine forest, ocean and bay micro-systems just three hours from major urban cities such as Washington, DC, Baltimore, and Philadelphia.

Unique Features: Seaside Nature Center is located in Cape Henlopen State Park, which is a 3,000-acre park situated at the confluence of the Delaware Bay and the Atlantic. The Cape Henlopen spit is growing N-NW at 3-5 feet per year.

Even a little starfish can inspire wonder and respect for the natural world. Photo courtesy of the Academy of Natural Sciences in Philadelphia

Staffing



Research data helping to define "who we are" as a profession is presented
in the Forward to this Directory, called "1990 Stats".

(220)

The National Aquarium

14th & Constitution, NW
Room B-037
Washington, DC 20230
(202) 377-2826
Director: Anne House Quinn

Open to youth groups and the general public. Day programs. Open every day. Hours: 9-5 Annual budget $250-500,000. 7 Full-time staff. Fees charged for facility use. Newsletter.

Mission: The National Aquarium Society of committed to improving the facility. We are raising funds for the expansion of our educational programs, for capital improvements in the aquarium and for the underwriting of free admission for Washington, DC public schools.

Site and Program Features: The National Aquarium is the oldest aquarium in the U.S.; we were founded in 1873. We display over 1200 specimens representing 250 species from all over the world. Exhibits include a touch tank, learning center and mini-theater. Over 400,000 visitors come to the National Aquarium each year.

(221)

Oxon Hill Farm National Capital Parks - East

1900 Anacostia Drive S.E.
Washington, DC 20020
(301) 839-1176
Director: James L. Reilly
Contact: James Rosenstock, Supervisory Park Ranger
Operator: National Park Service

Open to youth groups and the general public. Day programs. Open every day. Hours: 8:30-5 Annual budget $100-250,000. 485 Acres.

Mission: To bring to visitors an understanding of agriculture history, particularly the turn-of-the-century period, the work of an actual farm, and instill in them an understanding of the relationships of natural, farm, and urban ecosystems. Secondly, to provide outdoor recreation opportunities.

Site and Program Features: Oxon Hill Farm is an actual working farm, representative of a turn-of-the-century agricultural site found in the Potomac River basin. It provides a view of old-time buildings, typical farm livestock, pastures, fields, orchards, and old machinery. Demonstrations of agricultural practices for visitor benefit frequently encourage participation.

Unique Features: Oxon Hill Farm is situated on a high hill overlooking the Potomac River with crop fields located on the bottom land along the shore. It includes a historic apple orchard and mixed hardwood forest. Many major landmarks of the city of Washington are visible from the site.

(222)

United States Botanic Garden

245 First St.
Washington, DC 20024
(202) 226-4082
Director: David Scheid
Contact: Holly Shimizu, Public Prog. Specialist

Day programs. Open every day. Hours: 9-5, 9-9 Jun-Aug 3 Full-time staff. 5 Acres.

Mission: Our mission is to collect, cultivate and grow the various vegetable products of this and other countries for exhibition and display to the public and for study by interested students, scientists and garden clubs.

OXON HILL
FARM

(223)

United States National Arboretum

3501 New York Ave. NE
Washington, DC 20002
(202) 475-4815 FAX: (202) 475-5252
Director: Dr. Henry M. Cathey
Contact: Mary Ann Jarvis, Program Coordinator
Operator: U.S. Dept. of Agriculture

Day programs. Open every day. Hours: M-F 8-5; Sat.-Sun. 10-5. Annual budget more than $1,000,000. 40 Full-time staff. 444 Acres. Newsletter.

Mission: The U.S. National Arboretum in Washington, DC, conducts research on trees, shrubs, and herbaceous plants, and educates the public regarding these plants.

Site and Program Features: The Arboretum occupies 444 acres in the Mount Hamilton section of the District of Columbia. Its higher hills overlook the Capitol and the Washington Monument to the south, and in the east break in dramatic drops to the Anacostia River. Although not a park in the usual sense, the Arboretum does provide ample opportunity for observing and enjoying plants and for walking along trails winding through planted displays and stream-edged woodlands.

Unique Features: Our site features 85 woody landscape plant collections including a 2-acre herb garden, National Bonsai and Penjing Museum.

Learning about a swamp the easy way. Boardwalks provide access into a fragile environment many people would otherwise never see.

(224)

Anderson Environmental Education Center and Sawgrass Lake Park

7400 - 25th St. N. St.
Petersburg, FL 33702
(813) 526-3020
Director: Joseph T. Maier
Contact: Carole Brooks, Secretary
Operator: Southwest FL Water Management Dist.

Open to youth groups and the general public. Day programs. Open every day. Hours: 7 am till dark Seasonal changes in schedule. Annual budget $100-250,000. 2 Full-time staff. 400 Acres.

Mission: Our mission is to provide a K-5 continuum program in environmental education for the students of Pinellas County and to provide an educational and aesthetic experience for all park visitors. A basic goal is to increase awareness so that we can move toward a sustainable future.

Site and Program Features: The complex contains 5,700 feet of boardwalk and 2,900 feet of footpaths that wander through a red maple swamp and a high hammock area. Programs are available for all age levels and facilities are accessible to all.

Unique Features: Our site has a hammock that was once an island.

(225)

Bishop Planetarium/ S. Florida Museum

201 10th St. W.
Bradenton, FL 34205
(813) 746-4132
Director: John Hare
Contact: Jennifer Hamilton

Open to youth groups and the general public. Conference facilities. Day programs. Open every day except Monday. Hours: T-Sat. 10-5; Sun. 1-5 Annual budget $250-500,000. 8 Full-time staff.

Mission: Our mission is to furnish educational and cultural enrichment to the population and visitors to Manatee County.

Site and Program Features: We have a very dynamic and well-equipped planetarium. The facility is well-staffed and programs in astronomy are offered year-round to schools and the general public. Our live manatee exhibit enlightens visitors to the plight of the manatee.

(226)

Bok Tower Gardens

PO Box 3810
Lake Wales, FL 33859-3810
(813) 676-1408
Director: Jonathan Shaw
Contact: Charlene Johnston, Public Rel. Dir.
Operator: Bok Tower Gardens Foundation, Inc.

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: 8-5 Annual budget more than $1,000,000. 7 Full-time staff. 128 Acres. Newsletter.

Mission: The mission of Bok Tower Gardens is to perpetuate the dream of its founder and friends, to present mankind with "a spot which would reach out in its beauty to the people, and fill their souls with the quiet, the repose, the influence of the beautiful," and "through tree, shrub, flowers, birds, superb architecture, the music of the bells, and the sylvan setting" provide for visitors a retreat of "natural beauty, a refuge for the bird, and a place for the student of southern plant and bird life."

Site and Program Features: To carry out this mission, Bok Tower Gardens maintains for visitors a beautiful and historic public garden, a carillon tower, and a wildlife sanctuary. Public education services, cultural and conservation activities, and membership programs reflect the scientific, horticultural, cultural and aesthetic role of the Gardens.

Unique Features: Bok Tower Gardens is located on the peninsula's highest point, elevation 295 ft. The historic bell tower, visual centerpiece of a magnificent garden, houses one of the world's great carillons.

(227)

Boyd Hill Nature Park

1101 Countryclub Way S.
St. Petersburg, FL 33705
(813) 893-7326
Director: Ray Lydon
Contact: Ellen Manning, Park Ranger
Operator: City of St. Petersburg

Open to youth groups and the general public. Day programs. Open every day. Hours: 9-5 Apr-Oct Tues & Fri 9-8 Annual budget $500K-1,000,000. 6 Full-time staff. 380 Acres. Camping. Fees charged for facility use. Newsletter.

Mission: The overall goal of Boyd Hill Nature Park is to promote environmental awareness through education and interpretive tours of the park. To give people of all ages the opportunity to learn about our fragile ecosystem and with that knowledge take action in their own lives to be environmentally responsible citizens.

Site and Program Features: We are a 380-acre city park, preserving six distinctive habitats within one of the most densely populated, urbanized counties in Florida. We offer a wide variety of programs, classes, camps, hikes, workshops, guided and self-guided tours (for no charge or a very nominal charge) to promote a greater environmental appreciation.

(228)

The Brevarde Museum Inc.

2201 Michigan Ave.
Cocoa, FL 32926
(407) 632-1830
Director: Rachel C. Moehle
Contact: J. L. Dougherty, Administrative Asst.

Open to youth groups and the general public. Conference facilities. Day programs. Open every day except Monday. Hours: T-Sat. 10-4; Sun. 1-4 Annual budget $100-250,000. 2 Full-time staff. 22 Acres. Fees charged for facility use. Newsletter.

(229)

Care & Rehabilitation of Wildlife

3883 San-Cap Rd.
Sanibel, FL 33957
(813) 412-3644
Director: Marc Elie, DVM
Contact: Anita Pinder, Office Mgr.

Open to youth groups and the general public. Day programs. Open every day. Hours: 8-5 Closed on major holidays. Annual budget $100-250,000. 4 Full-time staff. 10 Acres. Newsletter.

Mission: C.R.O.W., Care and Rehabilitation of Wildlife, is a non-profit veterinary hospital dedicated to the rehabilitation and return to the wild of injured, ill and orphaned native wildlife. Established on Sanibel Island in 1968, C.R.O.W. provides restorative care to more than 125 species of wildlife each year. Patients come from all over southwest Florida and occasionally from out of state. More than 1500 patients are received annually for medical, surgical and foster care.

Site and Program Features: Dedicated staff, interns and volunteers attend to the wildlife patients at the C.R.O.W. hospital every day. C.R.O.W. is located on 10 acres of interior wetlands on Sanibel Island. Very little vegetation on the site has been disturbed so that recovering patients enjoy surroundings similar to their natural environments. Because surgery, radiology and clinical medicine are all available at the C.R.O.W. facility, recoveries are accomplished with minimal stress.

(230)

Cary State Forest

U.S. 301 and Bryceville
Bryceville, FL 32009
(904) 266-9349
Director: Matt Weinell
Operator: Division of Forestry

Open to youth groups and the general public. Day programs. Open every day. Hours: 8-5 Annual budget $10-25,000. 1 Full-time staff. 3400 Acres. Camping.

(231)

Castellow Hammock Nature Center

22301 SW 162 Ave.
Goulds, FL 33170
(305) 245-4321
Director: Roger L. Hammer
Operator: Metro Dade Parks Dept.

Open to youth groups and the general public. Day programs. Open every day. Hours: 9-4 1 Full-time staff. 60 Acres. Camping. Newsletter.

Mission: Castellow Hammock's goal is to offer educational programs and field trips for all ages to help them to understand and appreciate the natural environments of south Florida. We also serve as a passive nature study area and a major bird watching site.

Site and Program Features: Castellow Hammock offers a wide range of environmental programs and field trips, including butterfly and hummingbird gardening, poisonous plants around the home, snakes of south Florida, Florida's native orchids, wildflowers of the Everglades, swamp tromps and Everglades hikes.

Unique Features: Our site features a tropical hardwood forest.

(232)

Center for Environmental Education

4000 Crandon Blvd.
Key Biscayne, FL 33149
(305) 361-8097
Director: Dr. Mildred Berry
Contact: Don Deresz, Environmental Ed. Spec.
Operator: Dade County Public Schools

Open to youth groups. Conference facilities. Multi-day programs. Open every day except Saturday, Sunday. Hours: 8-3:30 Closed for school holidays. Closed on major holidays. Annual budget $250-500,000. 7 Full-time staff. 220 Acres.

Mission: To teach people about environmental science and nurture a sense of stewardship by studying south Florida natural habitats.

Site and Program Features: The facility consists of a portable classroom that contains a "hands-on" laboratory within walking distance of a native woods, mangrove swamp, and ocean seagrass beds, studies of which are guided by knowledgeable, creative and enthusiastic teachers.

Three youngsters encounter their first up-close opossum; the memory they take away depends a lot upon the skill and talent of the naturalist. Photo courtesy of The Conservancy, Inc.

(233)

The Conservancy, Inc.

1450 Merrihue Dr.
Naples, FL 33942
(813) 262-0304
Director: William Harding

Open to youth groups and the general public. Day programs. Open every day. Hours: 9-5 Seasonal changes in schedule. Closed on major holidays. Annual budget $500K-1,000,000. 17 Full-time staff. 9000 Acres. Newsletter.

(234)

Corkscrew Swamp Sanctuary

Rt. 6 Box 1875A
Naples, FL 33964
(813) 657-3771
Director: Ed Carlson
Contact: Paul Hinchcliff, Chief Naturalist
Operator: National Audubon Society

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: 9-5 Annual budget $250-500,000. 5 Full-time staff. 11000 Acres. Fees charged for facility use. Newsletter.

Mission: Site and Program Features: This 11,000 acre private-sector wildlife sanctuary protects the largest tract of old-growth Baldcypress forest in America. Site of the largest nesting colony of endangered Wood Storks, it also preserves prime examples of habitats of the Big Cypress region of Florida.

Unique Features: This is the largest old growth baldcypress swamp in North America.

(235)

Crowley Museum & Nature Center

16405 Myakka Rd.
Sarasota, FL 34240
(813) 322-1000
Director: Howard Maier

Open to youth groups. Day programs. Hours: Groups by appointment only. No summer programs. 185 Acres. Fees charged for facility use. Newsletter.

Mission: The center provides a museum, nature center and wildlife and plant-life sanctuary for educational programs in natural history and Florida pioneer history while maintaining the properties in a primitive state.

Site and Program Features: The site includes five different major habitats, all accessible by a trail and boardwalk system, making it an ideal outdoor nature classroom, plus an area with three buildings depicting the lifestyle of the Florida pioneer era. Programs are tailored to the educational, physical and emotional needs of a wide range of youth groups.

Unique Features: Uplands slope downward to the Myakka River. Elevation drop, though only 20 feet, results in habitat changes from pine flatwoods to hammock to swamp to marsh.

(236)

J. N. "Ding" Darling National Wildlife Refuge

1 Wildlife Dr.
Sanibel, FL 33957
(813) 472-1100
Director: Ron Hight
Contact: Nancy Hangen, Outdoor Rec. Planner
Operator: U.S. Fish and Wildlife Service

Open to youth groups and the general public. Day programs. Open every day except Sunday. Hours: May-Oct. 9-4 Nov.-Apr. 9-5 daily Closed on major holidays. Annual budget $250-500,000. 5 Full-time staff. 5000 Acres.

Mission: The primary goal of the J.N. "Ding" Darling National Wildlife Refuge Interpretation and Recreation Program is to provide information and educational assistance to the visiting public. The Interpretation and Recreation Program also strives to promote a sense of responsibility for the protection of wildlife and the conservation of wildlife habitat.

Site and Program Features: A five-mile drive through the refuge provides access to estuarine wetlands where herons, egrets, pelicans, and roseate spoonbills can be seen. A self-guiding booklet on sale in the visitor center gives information on the habitat, wildlife and management practices of the refuge. The visitor center contains exhibits, an orientation slide program, and book sales. Organized groups are requested to contact the refuge before their visit.

Unique Features: The mangrove wetlands at the refuge attract many wading birds, water fowl, and shorebirds, including many herons, egrets, roseatte spoonbills, anhingas and pelicans.

(237)

The Discovery Center

231 SW 2nd Ave.
Ft. Lauderdale, FL 33301
(305) 462-4115 FAX: 462-4765
Director: Kim Maher
Contact: Barbara O'Keefe, Dir. of Marketing

Open to youth groups and the general public. Day programs. Open every day except Monday. Hours: 12-5;except Sa 10-5 Jun-Aug 10:00-5:00 Annual budget more than $1,000,000. 17 Full-time staff.Fees charged for facility use. Newsletter.

Mission: The purpose of the Center is to recognize and explore through exhibits and programs the terrestrial and marine environment and ecology of our sub-tropical region and the emerging technology that exists in South Florida, to promote the science literacy of children and adults, and to teach how the development and applications of science and technology impact our daily life.

BICENTENNIAL YOUTH PARK
ENVIRONMENTAL EDUCATION
VOLUSIA COUNTY SCHOOLS

(238)

Energy Management Center

9130 Old Post Road
Port Richey, FL 34668
(813) 848-4870

Director: Gary Perkins
Operator: Dist. School Board of Pasco County

Open to youth groups and the general public. Day programs. Open every day except Saturday, Sunday. Hours: 7-4 Closed on major holidays. Annual budget $250-500,000. 6 Full-time staff. 10 Acres. Newsletter.

Mission: The Energy Management Center (EMC) is the science center for Pasco County Schools and functions to provide daily energy and environment-related field trip programs for students, teacher inservice training, technical support, and energy education curriculum materials.

Site and Program Features: The facility includes 2 classrooms, 2 large seawater tanks, 3 touch tanks, a boardwalk, and an observation tower. The site lends itself to the study of nature's energy cycle in a "hands-on" setting. Solar collectors, wind machines, lasers, and other specialized equipment are utilized as part of the various field trip investigations.

Unique Features: The Energy Management Center is located on 10 acres of coastal salt marsh adjacent to the Gulf of Mexico.

(239)

Environmental Learning Center

Bicentennial Youth Park
200 N. Clara Ave.
Deland, FL 32721
(904) 734-0224

Operator: Volusia Dist. Schools

Open to youth groups and the general public. Day programs. Open every day except Saturday, Sunday. Hours: 8-4 Closed on major holidays. Annual budget $50-100,000. 1 Full-time staff. 200 Acres. Camping. Newsletter.

Mission: This spaceship we live on is a place of wonder and is a fragile, complex puzzle. The understanding of this spaceship and the major concepts that operate it is done by the exciting journey of hands-on experience. The spaceship Earth will be protected by those who understand her. Reaching her passengers is our mission.

Site and Program Features: This 200-acre facility represents 70% of habitat types present in Florida. The facility is located within the water recharge area for Volusia County, Florida. The hands-on exploration on the planet we live on is the best way to come to an awareness, understanding and responsibility for the spaceship Earth we inhabit.

Unique Features: The Learning Center contains 149 acres of cypress swamp habitat and 51 acres of pine flatwoods habitat.

(240)

Environmental Resource Center

320 Lakeshore Dr.
Eustis, FL 32726
(904) 357-0914

Director: Wally Bain
Operator: Lake County School Board

Open to youth groups and the general public. Open every day except Saturday, Sunday. Hours: 8-3:30. Closed on legal holidays. Annual budget $25-50,000. 1 Full-time staff. 2 Acres.

Mission: We are a part of the Lake County School system serving children and teachers with on-site and off-site programming. Our primary goal is to make people aware of the workings and problems associated with lakes, coastal wetlands and current environmental concerns.

Site and Program Features: We have a "floating laboratory" for up to 24 students. Immediate follow-up back on land allows us to reinforce concepts and student observations. We take marine biology cruises to the marine science station for one week research trips.

80

(241)

Environmental Studies Center

1300 Tobias Rd.
Box 636
Gonzalez, FL 32560
(904) 968-0135
Director: Roy L. Hyatt
Operator: Escambia County, Florida, Dist. Schools

Open to youth groups and the general public. Day programs. Open every day except Saturday, Sunday. Hours: 7:30-4:30 Closed on major holidays. Annual budget $100-250,000. 1 Full-time staff. 120 Acres. Newsletter.

Mission: The Environmental Studies Center seeks opportunities for students and others to gain awareness and understanding of the natural world while becoming committed to finding solutions to environmental problems whether local or worldwide.

Site and Program Features: The Environmental Studies Center makes available environmental education programs and activities for students in the Escambia County District Schools. Now in its 20th year, it has permanent facilities on 120 acres in mid-Escambia County. Using the nature trails, library, environmental museum and indoor lab, students learn firsthand about natural science and the environment.

(242)

Everglades National Park

Box 279
Homestead, FL 33030
(305) 247-6211
Director: Gene Cox
Contact: Neil DeJong, Environ. Ed. Coord.

Open to youth groups and the general public. Day and multi-day programs. Open Nov.-April only for children's programs Annual budget $100-250,000. 11 Part-time staff. 1,400,000 Acres. Camping.

Site and Program Features: Two camping facilities for 25 students and 5 teachers, 4 day-use areas. Our program has been in operation for 17 years. It is based on the premise of protecting and preserving the park for future generations. Our programs are booked (by reservation) 2 months in advance and within 3 days all programs are taken.

(243)

Florida Audubon Society

1101 Audubon Way
Maitland, FL 32751
(407) 647-2615
Director: Dr. Bernard Yokel
Contact: Wendy Hale, VP Environmental Educ.

Open to youth groups and the general public. Conference facilities. Day programs. Open every day except Sunday. Hours: 9-5 Closed on major holidays. Annual budget $500K-1,000,000. 4 Full-time staff. 3 Acres. Fees charged for facility use. Newsletter.

Mission: Founded in 1900, Florida Audubon Society is the oldest and largest conservation organization in Florida. We are an established leader in conservation issues, natural resource protection, environmental education, and wildlife rehabilitation.

Site and Program Features: Florida Audubon Society's headquarters houses our administrative offices, small exhibit area, gift shop/gallery, and recycling center. A focal attraction is our Center for Birds of Prey, a wildlife education and rehabilitation facility that houses over 20 species of native Florida raptors. Guided tours are available. Also open to the public for self-guided tours.

(244)

Florida Div. of Forestry

3125 Conner Blvd.
Tallahassee, FL 32399
(904) 488-7000
Director: Paul Palmiotto
Contact: Brett States, Training Ctr. Supervisor

Open to youth groups Conference facilities. Day and multi-day programs. Open every day except Saturday, Sunday. Hours: 8-5 Seasonal changes in schedule. Closed on major holidays. Annual budget $100-250,000. 1 Full-time staff. 600 Acres. Lodging. Fees charged for facility use.

Mission: To provide a facility in the forest that will offer teachers the opportunity of teaching environmental education in the proper environment.

Site and Program Features: The facility is used primary for training state employees, but is open also to day use for study of the Florida Environment by local elementary schools. The site is nestled among the longleaf pine, turkey oak sandhills of central Florida, and far enough away from development to give urban kids a good dose of the forest.

(245)

Florida Museum of Natural History

Museum Rd.
University of Florida
Gainesville, FL 32611
(904) 392-1721 FAX: (904) 392-8783
Director: Dr. Peter Bennett
Contact: Vincent Gafianelli, Curator of Education

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: M-Sat. 9-5; Sun. & holidays 1-5 Annual budget more than $1,000,000. 4 Full-time staff. 6 Acres.

Mission: The Florida Museum of Natural History was established by the State Legislature in 1917. It operates as a department of the University of Florida and is charged with the broad programs of research, publication, collection, storage, public service, and instruction that are the normal functions of a university museum.

Site and Program Features: The Florida Museum continues to strive for excellence in collections, exhibitions, research and educational programming. Scheduled morning guided tours, summer classes and a wide array of public programs highlight the education endeavors. Museum scientists who are nationally and internationally recognized for their competence study specimens and the collections are well-known for their research significance.

Unique Features: The building's exterior is designed after the works of the Indians of the southeastern U.S. and middle America; the building has descending terraces and earthen berms. The museum includes 28,000 sq. ft. of exhibit space, 2 acres of terraced gardens, and 75,000 sq. ft. of offices, laboratories and specimen storage areas which are filled with the area's treasures.

(246)

Gillespie Museum of Minerals

Michigan Ave.
Deland, FL 32720
Director: Robert Chauvin
Contact: Bonnie Redd, Museum Secretary

Open every day except Sunday. Hours: 9-4 Follows university calendar. 1 Full-time staff.

(247)

Glades Herp

P.O. Box 3207
North Fort Meyers, FL 33918
(813) 543-6100
Director: William B. Love

Day programs. Hours: Open by appointment only. Annual budget $100-250,000. 2 Part-time staff. 2 Acres.

Mission: We are a private breeding center that produces over 2,000 reptiles annually. We are particularly involved in genetic projects using highly variable species to explore the inheritance of color and pattern in reptiles. We invite contact with groups/private individuals who share our interests (or who need information) as well as try to inform the general public about reptiles through lectures (by request). We also supply domestic rodents (live and frozen) for reptile and raptor maintenance.

FLORIDA
MUSEUM OF
NATURAL HISTORY

(248)

Gulf Islands National Seashore

1801 Gulf Breeze Parkway
Gulf Breeze, FL 32561
(904) 934-2600
Director: Jerry A. Eubanks
Contact: Mary D. Jones, Chief of Interpretation
Operator: National Park Service

Open to youth groups and the general public. Day programs. Open every day. Hours: 8-dark Seasonal changes in schedule. Annual budget more than $1,000,000. 80 Full-time staff. 135,000 Acres.

Mission: To preserve the natural and cultural objects therein for future generations and provide opportunities for recreation.

Site and Program Features: Portions of ~~or~~ barrier coastal islands, mainland bayous, cultural sites and structures of prehistoric Indians, early colonial forts/settlements and U.S. coastal defense system–along northern Gulf of Mexico.

(249)

Gumbo Limbo Nature Center

1801 N. Ocean Blvd.
Boca Raton, FL 33432
(407) 338-1473
Director: Gordon Gilbert
Operator: City of Baca Raton/Palm Beach School System

Open to youth groups and the general public. Day programs. Open every day except Sunday. Hours: 9-4 Closed on major holidays. Annual budget $100-250,000. 3 Full-time staff. 25 Acres. Newsletter.

Mission: The Gumbo Limbo staff have developed programs which are taught in grades 3, 5, 7, and high school marine biology. All programs meet specific objectives in the Palm Beach County School's unified curriculum. The activities emphasize marine environments because of the center's location on a coastal island. Environmental concepts are stressed to both young and adult visitors.

Site and Program Features: The nature center, named after one of the dominant tree species in the tropical hammock, is designed to provide environmental education for students, adults, and community education programs through scheduled classes, seminars, workshops, field trips, and research. This is accomplished utilizing indoor and outdoor classrooms, interpretive displays, aquariums, visual presentations, and unique wonders of nature found at the center.

Unique Features: The site contains one of the largest West Indian Tropical Hardwood Hammocks along the southeast coastal Island region of Florida. A boardwalk system and tower through the hammock highlight each educational visit.

(250)

Hidden Lake Interpretive Center

Everglades National Park
Box 279
Homestead, FL 33030
(305) 247-6211

Director: David Kronk
Operator: National Park Service

Open to youth groups. Multi-day programs. Open every day except Saturday, Sunday. Open January-May only Annual budget $25-50,000. 1 Full-time staff. 15 Acres. Lodging. Camping.

Site and Program Features: It's a great camp in the heart of the Everglades wilderness.

The discovery of a turtle is enriched when a caring adult shares the experience. Photo by Ray Egan.

(251)

Highlands Hammock State Park

Rt. 1, Box 310
Sebring, FL 33872
(813) 385-0011

Contact: Peter Anderson, Park Manager

Open to youth groups and the general public. Day and multi-day programs. Open every day. Hours: 8-Sundown Annual budget $50-100,000. 2 Full-time staff. 3800 Acres. Camping. Fees charged for facility use.

Mission: Highlands Hammock State Park was established to preserve a virgin hardwood forest, called a hammock, in Florida. The park boundaries encompass several additional plant communities, including a cypress swamp, pine flatwoods, sand pine scrub, scrubby flatwoods, bayheads and marsh.

Site and Program Features: Interpretive Center: Exhibits of plant communities, wildlife and park history can be seen at the center. Tour: A ranger-led tram tour offers a chance to see wildlife in remote areas of the park. Inquire at ranger station for winter and summer schedules. Minimum of five people per tour. Nature Trails: Eight separate nature trails offer a look at various parts of the park. One of the most popular trails is a catwalk through a cypress swamp. Publications: A checklist of birds and other information is available. Programs: Park rangers give guided walks and campfire programs according to seasonal demand.

Unique Features: State natural feature site–hardwood hammock, cypress swamp, Lake Wales ridge scrub.

(252)

Hobe Sound Nature Center Inc./Hobe Sound National Wildlife Refuge

Box 214
Hobe Sound, FL 33475
(407) 546-2067

Director: Debbie Fritz-Quincy

Open to youth groups and the general public. Day programs. Open every day. Hours: Sunrise to sunset Nature Center hours vary seasonally Annual budget $50-100,000. 3 Full-time staff. 1000 Acres. Fees charged for facility use. Newsletter.

Mission: The Hobe Sound Nature Center Inc. is a private, non-profit organization, located at the Hobe Sound NWR. Through a cooperative agreement with the U.S. Fish and Wildlife Service, the Nature Center conducts educational programs open to the public, utilizing the refuge headquarters buildings, nature trails and other nearby parks, refuges and natural areas.

Site and Program Features: The Elizabeth W. Kirby Interpretive Center features exhibits on local flora and fauna. Exhibits on wetlands, manatees, sea turtles, predator/prey relationship and deadly throw-a-ways are included. Aquariums show life in the grassflats, on the reef and in freshwater ponds. Two touch tables of assorted naturally occurring items may be examined closely by visitors to the center. Hours of operation vary depending on the time of year and may be obtained by calling the center's office.

Unique Features: Sandpine scrub.

(253)

Homosassa Springs Park

PO Box 189
Homosassa Springs, FL 32647
(904) 628-2311

Director: Perry Smith
Contact: Susan Cramer, Infor. Specialist
Operator: Fla. Dept. of Natural Resources

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: 9-5:30 15 Full-time staff. 150 Acres. Fees charged for facility use.

Mission: The goal of Homosassa Springs Park is to give visitors an opportunity to experience natural Florida and its native Florida wildlife including endangered species. Interpretive programs focus on how we can better appreciate our environment, wildlife and protect endangered species.

Site and Program Features: Homosassa Springs Park is a state-owned nature attraction built around a 55 ft. deep natural spring with an underwater observatory where thousands of fresh and saltwater fish can be viewed along with eight manatees in a rehabilitation center. We offer a daily schedule of educational manatee, alligator and hippo programs and jungle cruises every half hour. Historical museum with fossils and artifacts on exhibit.

Unique Features: The park contains a 55 ft. deep natural spring which pumps 6 million gallons of water every hour and attracts thousands of fresh and saltwater species. The spring is the headwaters of the Homosassa River where a population of manatees live. The park has eight manatees in a rehabilitation program year-round. Surrounding wetlands and wooded areas (150 acres) serve as a refuge for native wildlife.

(254)

Marine Education Center

Florida Sea Grant Ext. Program
Marineland of Florida
St. Augustine, FL 33440
(904) 392-1837 FAX: (904) 392-1707
Director: Joe Halusky
Contact: Janice Hoskins, Secretary

Open to youth groups and the general public. Conference facilities. Day and multi-day programs. Open every day except Saturday, Sunday. Hours: 8-4:30 (Sat.-Sun. by appointment) Closed on major holidays. Annual budget less than $10,000. 1 Full-time staff. Lodging.

Mission: Our mission is to shape the thinking of Florida's residents to create coastal aware citizens who can learn to co-exist with natural resources, use them wisely, preserve them for future generations and participate effectively in the decision-making processes that affect them.

Site and Program Features: Within walking distance of the center are most of the coastal environments found in Florida: (1) Rocky shore, (2) sandy shore, (3) beach-dune complex, (4) virgin maritime forest, (5) salt marsh system, (6) mud-flat oyster bar complex, and (7) natural inlets.

(255)

Marine Resources Development Foundation

P.O. Box 787
Key Largo, FL 33037
(305) 451-1139 FAX: (305) 451-3909
Director: Ian G. Koblick
Contact: Ginette Hughes, Education Coordinator

Open to youth groups. Conference facilities. Day and multi-day programs. Open every day. Annual budget $250-500,000. 3 Full-time staff. 5 Acres. Lodging. Fees charged for facility use.

FL

Mission: The goal of Marine Resources is to find new ways to utilize ocean and coastal resources in an environmentally sound manner. Education of tomorrow's voters is also an important goal as we strive to instill knowledge of the south Florida ecology and wise resources use in these students.

Site and Program Features: The Marine Resources site is within a few minutes, by boat or car, of the protected areas of John Pennekamp Coral Reef State Park, Key Largo National Marine Sanctuary, and Everglades National Park. Field instructors operate 25' open field boats, teaching safety and science and summarizing ecology concepts. Large meeting areas and science laboratories are used for discussions and activities.

(256)

Marineland of Florida

9507 Ocean Shore Blvd.
Marineland, FL 32086
(904) 471-1111 FAX: (904) 461-0156
Director: Bill Puckett
Contact: Joanne Lowenstein, Curator

Open to youth groups and the general public. Conference facilities. Day and multi-day programs. Open every day. Hours: 9-5 Varies in summer 200 Acres.

Mission: Marineland's various shows and displays create an awareness of the oceans and its inhabitants to children and adults alike. The Whitney Laboratory on Marineland's premises has become an institute of advanced study in marine biomedical research, and plays an important role in the training of scientists fascinated with the secrets and promise of the seas.

Site and Program Features: Nature trails and tropical setting prevail throughout the park located between the Atlantic Ocean and the intracoastal waterway on the coastal highway.

(257)

Miami Metrozoo

12400 S.W. 152nd St.
Miami, FL 33177
(305) 251-0403 FAX: (305) 378-6381
Director: R. L. Yokel
Contact: Dr. Gordon Hubbell, Ed. Director
Operator: Metropolitan Dade County

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: 10-4 Annual budget more than $1,000,000. 21 Full-time staff. 740 Acres. Fees charged for facility use. Newsletter.

Mission: To provide a center for environmental education which actively promotes wild animal and wild habitat conservation through education and captive breeding.

Site and Program Features: The Metrozoo is a large natural habitat zoo in a major metropolitan area. Animal exhibits are arranged in a zoogeographic pattern. We offer a wide range of environmental education programs for all ages.

Unique Features: The Metrozoo contains many natural habitat exhibits including a 1.6-acre walk-through aviary.

Moccasin Lake Nature Park (see p. 73)

(258)

Miami Museum of Science Wildlife Center

3280 S. Miami Ave.
Miami, FL 33129
(305) 858-8353
Director: Brian Mealey

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: 10-6 Annual budget $50-100,000. 3 Full-time staff. 11 Acres. Newsletter.

Mission: In 1989, we developed the Environmental Theme Program, which primarily focuses to increase public awareness concerning environmental issues in South Florida. Wildlife exhibits are used to depict environmental concepts.

Site and Program Features: Our programs are designed for small groups (30 participants) to create better interaction between the interpreter and students. There are many opportunities for an audience to touch and feel a variety of different animals.

Moccasin Lake Nature Park
ENVIRONMENTAL & ENERGY EDUCATION CENTER

(259)

Moccasin Lake Nature Park - Environmental & Energy Ed. Center

2750 Park Trail Lane
Clearwater, FL 34619-5601
(813) 462-6024
Director: Cliff Norris
Contact: Greg Howe, Nature Park Specialist
Operator: City of Clearwater - Parks & Rec. Dept.

Open to youth groups and the general public. Day programs. Open every day except Monday. Hours: T-F 9-5; Sat.-Sun. 10-6 Annual budget $100-250,000. 3 Full-time staff. 50 Acres. Fees charged for facility use. Newsletter.

Mission: The primary goal of Moccasin Lake Nature Park is to provide a serene, wildlife preserve and instill in its human visitors a greater appreciation and respect for Florida's beautiful but fragile environment.

Site and Program Features Moccasin Lake Nature Park is a 50-acre wildlife preserve set aside in Florida's most densely populated county. A nature trail winds through an oak hammock, swamp hardwood, and freshwater aquatic habitat. The center is passively designed and most power needs are supplied by photovoltaic modules and a wind generator.

(260)

Morningside Nature Center

City of Gainesville Nature Op. Div.
3540 E. University Ave.
Gainesville, FL 32605
(904) 374-2170
Director: Dr. Lemuel B. Moore
Contact: Steven R. Phillips, Nature Operations Mgr.

Open to youth groups and the general public. Day programs. Open every day. Hours: 8-6 Annual budget $250-500,000. 6 Full-time staff. 278 Acres. Newsletter.

Mission: The long-range goal for Nature Operations is to provide passive recreation and environmental education within the framework of community needs, resources availability and ecological considerations. This goal shall be accomplished through preservation and management of existing lands as well as future acquisition by the city of significant natural areas. Specific elements of the plan include improving programs to reach more city residents, expanding the capacity of the educational and recreational facilities, and facilitation of efficient coordinated operations.

Site and Program Features: Morningside Nature Center is a 278-acre nature/environmental education center and longleaf pine sanctuary located on the east side of Gainesville. Seven miles of nature trails reveal over 225 species of wildflowers, 120 species of birds and a rich fauna of other animals, including gopher tortoises, fox squirrels, and a variety of lizards. The Live Animal Exhibit contains representative Florida invertebrates as well as fish, amphibians, reptiles, and mammals. A feature of special interest is the Turn-of-the-century Florida Farm exhibit where folklife programs utilize the heirloom garden, log cabin and kitchen, and split-rail fenced barnyard. Morningside offers an extensive program of guided walks, special programs and events, courses and workshops, and preschool and summer camp programs.

Unique Features: The center features a gopher tortoise habitat, large numbers of endangered or threatened plant and animal species.

(261)

Mote Marine Science Aquarium

1600 City Island Park
Sarasota, FL 34236
(813) 388-1385
Director: Susan Holderman

Open to youth groups and the general public. Conference facilities. Day programs. Open every day except Monday. Hours: 10-5 Closed on major holidays. Annual budget $100-250,000. 3 Full-time staff. 6 Acres. Fees charged for facility use. Newsletter.

Mission: Mote Marine Laboratory is an independent, nonprofit research organization dedicated to the advancement of marine and environmental sciences. The laboratory's mission includes: pursuit of excellence in marine and environmental sciences; enhancement and protection of our natural resources; acquisition and exchange of scientific information; and dissemination of information for public education.

Site and Program Features: The indoor exhibits feature many of the fascinating research projects of the Mote Marine Laboratory and are accompanied by 22 aquaria which are home to a variety of fishes, sea turtles, rays, octopus and others. Immediately outside, visitors enjoy viewing several inspiring species of sharks in our 135,000-gallon shark research aquarium.

(262)

Museum of Archaeology

203 SW 1st Ave.
Ft. Lauderdale, FL 33301
(305) 525-8778
Director: Gypsy C. Graves

Open to youth groups and the general public. Open every day except Monday. Closed on major holidays. Annual budget $10-25,000. Fees charged for facility use. Newsletter.

Mission: To educate school children and others about prehistory of south Florida, Tequesta Indians, natural history, African and pre-Columbian art.

Site and Program Features: Museum is centrally located in downtown Ft. Lauderdale, FL.

(263)

Museum of Arts & Science

1040 Museum Blvd.
Daytona Beach, FL 32117
(904) 255-0285
Director: Gary R. Libby

Open to youth groups and the general public. Day programs. Open every day except Monday. Hours: T-F 9-4; Sat.-Sun. 12-5 Closed on major holidays. Annual budget $500K-1,000,000. 13 Full-time staff. 170 Acres. Fees charged for facility use. Newsletter.

Mission: Our mission is to provide opportunities for the entire community to be involved in the museum's programs and to interpret the museum's collections and environment to area school children, public, and ethnic groups, and the considerable senior citizen and temporary seasonal populations of a resort and retirement area.

Site and Program Features: The museum is located on a 60-acre natural tract with a 110-acre nearby preserve. The museum is in a unique position to interpret art and nature with its formal collections and outdoor environments.

(264)

Museum of Science & Industry

4801 E. Fowler Ave.
Tampa, FL 33617
(813) 985-5531 FAX: (813) 985-5531
Director: Wit Ostrenko
Contact: Eldon Grimm, Educ. Director
Operator: Hillsborough County Dept.

Open to youth groups and the general public. Day programs. Open every day. Hours: 10-4:30 Annual budget $100-250,000. 5 Full-time staff. 48 Acres. Fees charged for facility use. Newsletter.

(265)

Myakka River State Park

13207 S. R. 72
Sarasota, FL 34241
(813) 924-1027
Director: Roy Ogles
Contact: Anne Harvey, Asst. Park Mgr.
Operator: St. of Fla. Dept. of Nat. Resources

Open to youth groups and the general public. Conference facilities. Day and multi-day programs. Open every day. Hours: 8 to sunset Annual budget $500K-1,000,000. 3 Full-time staff. 28,876 Acres. Lodging. Camping. Fees charged for facility use.

Mission: Our goal is to provide a quality natural outdoor experience to the visiting public and instill an appreciation for our natural resources.

Site and Program Features: We feature a self-guided interpretive center, special airboat and tram tours, varied camping facilities and an extensive hiking trail system. The large area of the park enhances the visitor exposure and the abundance of wildlife seen here.

Studying "Wetlands Ecology" is a dry subject until kids have a chance to immerse themselves in some hands-on activities. Photo courtesy of Pine Jog EE Center.

(266)

Nature Center & Planetarium of Lee County

3450 Ortiz Ave.
Fort Myers, FL 33906
(813) 275-3435
Director: Willard W. Payne
Contact: Richard A. Mraz, Chief Naturalist

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: M-Sat. 9-4; Sun. 11-4:30 Closed on major holidays. Annual budget $250-500,000. 9 Full-time staff. 105 Acres. Fees charged for facility use. Newsletter.

Mission: The goals of the nature center are to foster knowledge, intelligent use, and preservation of the Earth's natural and scientific resources, and to promote understanding of the family of man. To this end, the nature center promotes visitation, develops exhibits, and undertakes outreach programs to area schools and civic organizations.

Site and Program Features: Special features include the planetarium, and the effort to extend natural history from local ecosystems to earth and the stars. An authentic Seminole Village, built by local Indians, provides groundwork for the study of mankind. Exhibits, centering on animal and sea life, Indians, man and science, earth sciences and astronomy, and the trails, include both museum and out-of-doors elements.

(267)

Nature's Classroom

13100 Verges Rd.
Thonotosassa, FL 33592
(813) 986-2089
Director: Henry Verges

Open to youth groups. Multi-day programs. Open every day except Saturday, Sunday. Follow regular school schedule. Hours: 8:30-3:30 Closed on major holidays. Annual budget more than $1,000,000. 12 Full-time staff. 365 Acres.

Mission: As a part of the sixth grade science curriculum of the Hillsborough County Public School System, we hope to expose our students to the wonders and beauties of nature in the hope that they will become users and not abusers.

Site and Program Features: We have been in operation through the school system for 21 years. Several members of the staff have been with this program since its inception. Having such an experienced staff of dedicated individuals is the core of our success in presenting this area of curriculum to the sixth grade students of Hillsborough County.

(268)

Newfound Harbor Marine Institute at Seacamp

Rt. 3, Box 170
Big Pine Key, FL 33043
(305) 872-2331
Director: Charles P. Brand
Operator: Seacamp Association Inc.

Open to youth groups. Conference facilities. Day and multi-day programs. Open every day. Seasonal changes in schedule. Annual budget $500K-1,000,000. 10 Full-time staff. 6 Acres. Lodging. Newsletter.

Mission: The Newfound Harbor Maine Institute, dedicated to its philosophy "To Observe and Not Disturb," offers programs in marine environmental education to groups and individuals who want to increase their understanding of the ocean and natural ecosystems.

Site and Program Features: Newfound Harbor Marine Institute is surrounded by the diverse tropical communities of the Lower Florida Keys. NHMI programs utilize this unique outdoor classroom in the study of marine and terrestrial environments. In a program that combines direct, hands-on experience with conceptual learning, students at NHMI investigate an ecosystem unduplicated in the continental United States. They skin dive on colorful coral reefs and in fertile, shallow bays and hike through tropical hardwood hammocks and mangrove islands.

Pine Jog EE Center welcomes visitors to its facility.

(269)

Paynes Prairie State Preserve

Rt. 2 Box 41
Micanopy, FL 32667
(904) 466-3397
Director: Paul Perras
Contact: Jack Gillen, Park Mgr.
Operator: Dept. of Natural Resources

Open to youth groups and the general public. Day programs. Open every day. Hours: 8 - sunset Annual budget $100-250,000. 13 Full-time staff. 18,000 Acres. Camping. Fees charged for facility use. Newsletter.

Mission: The primary service provided to the residents and visitors of the state is an opportunity to enjoy a wide range of wholesome resource based outdoor recreation activities. The responsibility of the Park Service is to manage, interpret, maintain, protect and preserve the outdoor recreation areas and to make them available for the use and enjoyment of this and future generations. Also increasing public awareness of environmental problems and an accompanying desire to see positive management techniques being implemented as solutions to these problems.

Site and Program Features: Paynes Prairie is an 18,000 acre preserve. It is among the most significant natural and historical areas in Florida. The basin formed through solution of the underlying limestone and subsequent settling of the terrain, is covered by marsh and wet prairie vegetation with areas of open water. Indian occupation of this area dates back to 10,000 B.C. During the late 1600s the largest cattle ranch in Spanish Florida operated here. In 1774, William Bartram visited and described the basin which he referred to as the "great Alatchua Savannah." Most of the animal life which Bartram described 200 years ago still abounds here.

(270)

Pine Jog Environmental Education Center

6301 Summit Blvd.
West Palm Beach, FL 33315
(407) 686-6600
Director: Patricia Welch
Operator: Florida Atlantic University

Open to youth groups and the general public. Conference facilities. Day and multi-day programs. Open every day except Saturday, Sunday. Hours: 9-5 Seasonal changes in schedule. Closed on major holidays. Annual budget $100-250,000. 2 Full-time staff. 150 Acres. Fees charged for facility use. Newsletter.

Mission: The mission of Pine Jog Environmental Education Center is to provide educational programs which foster awareness and appreciation of the natural world, promote an understanding of ecological concepts, and instill a sense of stewardship toward the earth and all its inhabitants.

Site and Program Features: Pine Jog is located on 150 acres of pine flatwoods which also includes a low hammock, pond, sawgrass marsh and grassy fields. Pine Jog is open to the public by appointment or participation in community based special events and program services for adults, children and families. The Center's primary focus is education for elementary and secondary school populations and teacher education.

(271)

Pine Log State Forest Environmental Center

715 W. 15th
St. Panama City, FL 32401
(904) 872-4175

Director: Joe Anderson
Contact: Tom Beitzel, County Forester
Operator: Florida Division of Forestry

Open to youth groups and the general public. Day programs. Open every day. Hours: Sunrise to sunset. Annual budget $25-50,000. 1 Full-time staff. 500 Acres. Camping.

Mission: Our mission is to educate groups on nature, forestry, and soil science. Also we show the public how a state forest is managed on a multiple use purpose.

Site and Program Features: Special features include nature trails through pine log state forest, an outdoor pavilion for classes, and a group camping area.

SUNCOAST
SEABIRD
SANCTUARY
INC.

(272)

The Science Center of Pinellas County, Inc.

7701 22nd Ave. N
St. Petersburg, FL 33710
(813) 384-0027

Director: Susan S. Gordon
Contact: Toni Pellerin, Public Rel. Dir.
Operator: Science Center of Pinellas Cnty.

Open to youth groups and the general public. Day and multi-day programs. Open every day except Sunday. Hours: 9-4. Closed on major holidays. Annual budget $250-500,000. 5 Full-time staff. 7 Acres. Newsletter.

Mission: The Science Center offers students of all ages a distinct learning opportunity. The Center is dedicated to the furthering of Science education in the youth of the community. Our mission is to encourage an interest and knowledge in all areas of science.

Site and Program Features: The Science Center is located on seven acres of land facilities and includes 26,000 square feet of space designated for laboratories, classrooms, a 175-seat auditorium, a Computer Learning Center, a hands-on science museum, and a 30-seat planetarium. Workshops and programs use "hands-on" participation. Classes are developed on specific grade levels.

(273)

Seacamp

Rt. 3, Box 170
Big Pine Key, FL 33043
(305) 872-2331

Director: Grace L. Upshaw
Contact: Gillian Seifert, Office Manager/Registrar
Operator: Seacamp Association, Inc.

Multi-day programs. Open every day. Seasonal changes in schedule. Annual budget more than $1,000,000. 3 Full-time staff. 10 Acres. Lodging. Newsletter.

Mission: To provide guidance and encouragement for young people in areas of their interests, ideas, and ideals. To make learning an enjoyable experience. To provide camper-planned activities through which individual and group interests can be expressed and developed. To expose science-oriented young people to the various challenges and disciplines of Marine Science. To expose young people to the ecology of living communities, and to help them better understand the importance of ecology to any community. To provide for the education of campers to become active, conservation-minded citizens.

Site and Program Features: The location of Seacamp in the subtropical Florida Keys, adjacent to the only coral reef in the continental U.S., is special. Professional N.A.U.I. instruction in beginning to advanced SCUBA, 14 Marine Science offerings, and shipwreck archaeology are featured programs. All program staff are certified in firstaid/CPR, lifeguard training, skindiver leader, diver rescue, and operation of oceanographic vessels. Camper certification courses include sailing, windsurfing, lifeguard training, and SCUBA.

Unique Features: Facility is adjacent to Coupon Bight Aquatic Preserve. Close proximity to Coral Reef Tract (Looe Key National Marine Sanctuary), Mangrove Islands, Seagrass and Algae Beds, Sponge Flats, Tropical Hardwood and Cactus Hammocks, Rocky Tidal Pools, Key Deer and Great White Heron National Wildlife Refuges.

(274)

Secret Woods Nature Center

Broward County Parks and Rec.
2701 W. State Rd. 84
Ft. Lauderdale, FL 33025
(305) 792-8528

Director: Larry Lietzke
Contact: Carol Morgenstern, Park Naturalist

Open every day. Hours: M-F 8:30-5; Sat-Sun 8-5 3 Full-time staff. 40 Acres.

Mission: Our goal is to increase public awareness and understanding of the native local ecosystems.

Site and Program Features: Secret Woods Nature Center is a 38 acre native area with communities of low to broadleaf harwood hammock, brackish water wetland and freshwater wetland. Educational programs are offered to school aged children in grades K-6, and we offer nature hikes to groups of all ages. Special nature oriented events are routinely held.

Unique Features: Low broad leaf hardwood hammock, brackish water wetland, freshwater wetland.

(275)

Seminole County Environmental Studies Center

1211 Mellonville
Sanford, FL 32771
(407) 321-0452
Director: Bettie Palmer Spratt
Operator: Seminole County School Board

Open to youth groups and the general public. Conference facilities. Day and multi-day programs. Open every day except Sunday. Hours: 8-3:30 Seasonal changes in schedule. Closed on major holidays. Annual budget $100-250,000. 246 Acres. Newsletter.

Site and Program Features: The Nature Center is an environmental studies center owned and operated by the Seminole County School Board. It is located on 246 acres of county park land owned by Seminole County. Approximately 16,000 students in grades K-12 use the facility during the school year. All fifth grade students spend approximately two days on the site. Other interpretive programs are limited to one day. The Center's programs are implemented by four certified teachers and three instructional aides. School buses operated by the school board transport students. Some special features of the center are: a museum, shelters, nature trails, and hammock, and freshwater swamp area. The fourth grade program emphasizes energy and alternative energy forms. All programs are correlated to grade level content.

(276)

Spanish Point

PO Box 846
Osprey, FL 34229
(813) 966-5214
Director: Linda Williams
Operator: Gulf Coast Heritage Assn., Inc.

Open to youth groups and the general public. Day programs. Open every day except Monday. Hours: 9-4;except 12-4 Sun. Annual budget $100-250,000. 30 Acres. Fees charged for facility use. Newsletter.

Mission: The purpose of the Gulf Coast Heritage Association is to 1) preserve Spanish Point at the Oaks, a thirty acre environmental, archaeological, and historic site; 2) interpret Spanish Point through appropriate restorations, exhibitions, and programs; and 3) promote Spanish Point so that residents and visitors of all ages are aware of their opportunity to learn about the special environment and history of this region.

Site and Program Features: Spanish Point at the Oaks is an environmental, archaeological, and historic site located on Little Sarasota Bay in Osprey. It features a unique blend of native and introduced plants, the archaeological evidence of a sizable prehistoric Indian settlement, the Webb family homestead, and gardens from the estate of Mrs. Potter Palmer.

(277)

St. Marks National Wildlife Refuge

Box 68
St. Marks, FL 32355
(904) 925-6121
Director: Joe D. White
Contact: Robin Will, Park Ranger
Operator: U.S. Fish and Wildlife Service

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: M-F 8-4:15 Closed on major holidays. Annual budget $500K-1,000,000. 14 Full-time staff. 65,000 Acres. Fees charged for facility use. Newsletter.

Mission: The refuge center was designed to: (1) interpret management activities for wildlife on the refuge, (2) create and enhance the public's awareness of wildlife/habitat concerns on the refuge and in north Florida, (3) educate all ages to appreciate and protect habitat for the future.

Site and Program Features: As a coastal refuge, St. Marks offers hands-on activities in the salt marsh, bay, estuary, brackish and fresh water pond systems. Some 57 years of management have created fantastic wildlife viewing for all ages. The historical lighthouse on the property is still in operation. Over 75 miles of marked hiking trails allow for self-guiding exploration of the refuge.

Unique Features: (1) Exposed limestone outcroppings, (2) wilderness salt marsh and estuary, and (3) managed impoundments.

(278)

Suncoast Seabird Sanctuary, Inc.

18328 Gulf Blvd.
Indian Shores, FL 34635
(813) 391-6211
Director: Ralph Heath, Jr.

Day programs. Open every day. Hours: 9 am until dark Annual budget $250-500,000. 14 Full-time staff. 400 Acres. Newsletter.

Mission: The Suncoast Seabird Sanctuary, Inc., is a non-profit organization dedicated to the rescue, repair, recuperation and release of wild birds. We take care of any species of wild bird, and we are also involved in education, research, and rehabilitation.

FL

(279)

Tree Hill Nature Center

7152 Lone Star Rd.
Jacksonville, FL 32211
(904) 724-4646
Director: Lucille G. Heine
Operator: Preservation Assn. for Tree Hill Inc.

Open to youth groups and the general public. Day programs. Open every day except Sunday. Hours: 8:30-5. Closed on major holidays. Annual budget $100-250,000. 3 Full-time staff. 42 Acres. Newsletter.

Mission: The mission of the Preservation Association for Tree Hill (P.A.T.H., INC.) is to preserve Tree Hill and to provide environmental education and awareness to the Jacksonville community.

Site and Program Features: Tree Hill Nature Center's 42 acres of hardwood forest, natural wetlands and running streams provide a rustic site for the "River City's" only educational nature center. The magnificent open air classroom offers programs to 10,000 students, scouts, adults and senior citizens annually. Nature trails, garden parcours, two natural science laboratories, aquaria and a natural history museum offer a unique "wilderness" setting in the heart of an urban area.

Unique Features: Oak/hickory forest on hill; two swamps with streams at bottom of hill; last of the "natural" areas in the Arlington section of Jacksonville (city population approx. 700,000 people).

(280)

Upper Tampa Bay Park

Hillsborough County Park & Rec.
8001 Double Branch Rd.
Tampa, FL 33635
(813) 855-1765
Director: Edwin Radice
Contact: Joe Humble, Park Ranger

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: Sunrise to sunset Annual budget $250-500,000. 2 Full-time staff. 2100 Acres. Camping.

Mission: This park was created to preserve natural features, which are disappearing at a rapid rate. The Parks Department hopes that by providing an opportunity to participate in outdoor recreational experiences in such an environment, visitors will gain a greater understanding of and appreciation for such areas.

Site and Program Features: Hillsborough County's Regional Parks provide a wide range of outdoor activities in a variety of natural settings. You can enjoy camping, fishing, swimming, canoeing, horseback riding, bicycling, and many other forms of recreation. Several parks have extensive nature trails revealing some of the most beautiful natural scenery in Florida.

(281)

Wildlife Rehabilitation Center

1350 Ward Loop Rd.
Babson Park, FL 33827
(813) 638-2337
Contact: Lee Ann White and Barbara Gordon, Co-directors

Open to youth groups and the general public. Day programs. Open every day. Hours: 9-5 - call for appointment. Closed on major holidays. Annual budget less than $10,000. 5 Acres. Newsletter.

Mission: The Wildlife Rehabilitation Center, Inc., is a 501 C3, not-for-profit organization dedicated to the preservation of wildlife and wildlife habitat in the state of Florida. This goal is accomplished through varied education programs, the rehabilitation and release of wild animals and participation in research programs.

Site and Program Features: We hold to the highest of professional standards in all phases of our work. We strive toward excellence and effectiveness. Our education program is individualized to suit the audience and is therefore immensely effective. And although we are aware that the number of animals we release has little environmental impact, we are also aware that our education and research programs have unlimited impact.

(282)

Wildlife Rescue & Sanctuary

5574 Gulf Breeze Pkwy.
Gulfbreeze, FL 32561
(904) 932-7768
Director: Nancy Treiber

Open to youth groups and the general public. Conference facilities. Day programs. Open every day except Monday. Hours: 10-4 Closed on major holidays. Annual budget $50-100,000. 2 Full-time staff. 1 Acre. Newsletter.

Mission: We are a working wildlife rehab center and sanctuary. We house injured and orphaned native and exotic wildlife until their release back into the wild. We also provide for the permanently injured. Our goal is the release of wildlife after recovery and public education to prevent wildlife from being injured.

Site and Program Features: We have bald and golden eagles on display, hawks, owls, alligators, pelicans, raccoons are all in a natural setting. Tours and picnic area are available. Come out for a breath of fresh air and a look at wildlife up close!

(283)

The Youth Museum of Charlotte County

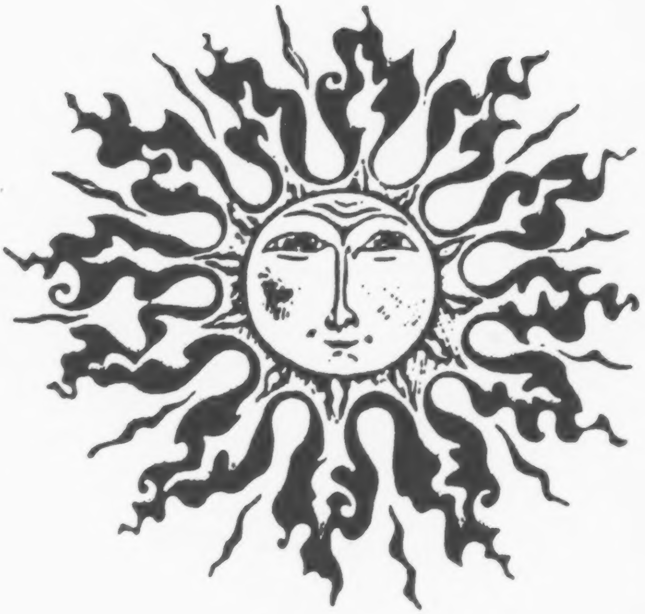
260 W. Retta Esplanade
Punta Gorda, FL 33950
(813) 639-3777
Director: Joy Treat
Operator: Charlotte-Glades Library System of Charlotte County

Open to youth groups and the general public. Day programs. Open every day except Monday, Sunday. Hours: T-F 10-5; Sat 12-5 Closed on major holidays. Annual budget $50-100,000. 3 Full-time staff. Newsletter.

Mission: The Youth Museum of Charlotte County offers permanent and changing exhibits of local natural history and African animals, including environmental displays and concerns. Through interpretation and discussion, the Youth Museum addresses the relationship between man and his world in an effort to promote responsible action and to offer a sense of the wonder this natural world holds.

Site and Program Features: The Youth Museum is a county facility offering free admission to five galleries of natural and local history and a small museum shop. Art and nature programs continue throughout the year for ages three and up; free films are presented to the public each Saturday at 3:00. Special tours and programs are arranged for groups.

Unique Features: The Youth Museum is located on Charlotte Harbor in Punta Gorda, FL. Although a native plant landscape surrounds our facility, we are primarily an indoor-exhibit-oriented natural history museum.



A blazing sun was the logo for NSYF's Questionnaire which generated the data for this Directory. Thanks to all who participated!

Saving and rehabilitating an injured raptor takes skill, dedication, and hundreds of hours of staff and volunteer effort.

A nature center's peaceful setting can attract thousands of people yearly; the staff, programs and facility hold the keys to keep them coming back for more. Photo courtesy of the Chattahoochee Nature Center.

(284)

Autrey Mill Nature Preserve Assoc.

9770 Autrey Mill Rd.
Alpharetta, GA 30201
(404) 664-7557
Contact: Judy Webb
Operator: Autrey Mill Nature Preserve Assoc. Inc.

Open to youth groups and the general public. Day programs. Hours by appointment. Seasonal changes in schedule. Annual budget $10-25,000. 80 Acres.

Mission: It is the goal of the Autrey Mill Nature Preserve Association to secure funding necessary to acquire the property and to work with government officials to save this vital site and conduct community, school and youth programs benefitting the metropolitan area.

Site and Program Features: Our nature center is housed in an 1800s farmhouse and fully staffed by a group of dedicated volunteers.

Unique Features: Unique features include ruins of an old dam site on Sals Creek and a mature forest—typical example of North Georgia.

(285)

Bradley Observatory

Agnes Scott College
Decatur, GA 30030
(404) 371-6265 FAX: (404) 371-6877
Contact: Alberto C. Sadun, Asst. Prof. of Astronomy
Operator: Agnes Scott College

AGNES SCOTT COLLEGE

Open to youth groups and the general public. Day programs. Hours: 8 pm first Friday of each month and by appointment. Closed for summer. Annual budget less than $10,000. 1 Full-time staff. 2 Acres.

Mission: While primarily an institution of higher learning, Agnes Scott College also strives to provide community groups and the general public, through its Bradley Observatory, exposure to astronomy through our monthly open house and observatory tours.

Site and Program Features: The special features of our site include a small, but well-equipped planetarium, lecture hall, and a number of telescopes, from 8 to 14 inches in diameter, for public use.

(286)

Camp Wahsega 4-H Center

Rt. 4 Box 1376
Dahlonega, GA 30533
(404) 864-3266
Director: Ted Jenkins
Operator: U of GA Coop. Ext. Service

Open to youth groups. Conference facilities. Day and multi-day programs. Open Monday, Sunday. Hours: 8-5 Annual budget $100-250,000. 1 Full-time staff. 27 Acres. Lodging. Fees charged for facility use.

Site and Program Features: The Wahsega 4-H Center is nestled in a mountain valley five miles from the Appalachian Trail. A beautiful cascading waterfall feeds a trout stream which divides the center. On one side of the stream are the cabins and bathrooms; on the opposite side are the dining hall and classroom buildings. Because of winter conditions, the rustic center operates on a seasonal basis accommodating 180 students.

(287)

Center North Center for Science, Energy & Env. Ed.

North Georgia College
Dahlonega, GA 30597
(404) 864-1527
Director:Dr. Susan Gannaway

Open to youth groups. Open every day except Saturday, Sunday. Hours: College schedule. Closed on major holidays. Newsletter.

Mission: This center is a part of the education program at North Georgia College. It's primary mission is in-service and pre-service teacher education for scientific and environmental literacy. It's outreach is through courses, workshops and a resource center.

Site and Program Features: The college is located in Dahlonega, GA, the site of the first U.S. Gold Rush. It has an outstanding faculty and a nature study area located 5 miles west of town.

(288) -

Chattahoochee Nature Center

9135 Willeo Rd.
Roswell, GA 30075
(404) 992-2055
Director: Dr. Robert Taylor
Contact: Dotty Etris, Dir. of Administration

Open to youth groups and the general public. Day programs. Open every day. Hours: 9-5 Annual budget $500K-1,000,000. 8 Full-time staff. 240 Acres. Fees charged for facility use. Newsletter.

Mission: The purpose of the Chattahoochee Nature Center is to serve as a community educational resource dedicated to increasing knowledge of the natural sciences and promoting protection of our natural resources. Through our education programs we teach both children and adults to make environmentally responsible decisions.

Site and Program Features: Our site contains a great variety of wetland and woodland habitats, allowing us to develop many specialized programs. In addition to school groups, we offer a full range of field trips, classes, and special events for adults and families. We also conduct an aggressive outreach program that takes our teachers and live animals to schools, scout groups, civic and garden clubs, and other organizations.

GA

Autrey Mill Nature Center began operations in this unoccupied home belonging to county government. Photo by Michelle Slupski Sienkiewicz.

Close-up investigation of a Yellow Poplar flower at Wahsega 4-H Center in the North Georgia mountains. Photo by University of Georgia Cooperative Extension Service EE Program (see p.81).

(289)

Cochran Mill Nature Center and Arboretum Inc.

Box 911
Fairburn, GA 30213
(404) 964-1421
Director: Ray Hannah
Contact: Buddy Spencer, Chairman-Oper. Comm.
Operator: Cochran Mill Nature Center & Fulton Cty.

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: M-Sat. 9-5; Sun. 2-6 846 Acres.

Mission: Fulton County Park and Rec. Dept. operates an 800-acre park and has authorized the new nature center to serve as the interpretive center for the park. A $3 million nature center building will be built by the Nature Center Association on its own property on the park's border.

Site and Program Features: A 45-acre natural area will include a small pond and is the site of the new nature center to be operated and owned by the Cochran Mill Nature Center and Arboretum Inc. and located on the border of the 800-acre Cochran Mill Park.

Unique Features: The center is scheduled to open in 1990.

(290)

Callaway Gardens

Pine Mountain, GA 31822
(404) 663-2281
Director: Bill Barrick
Contact: Patricia Collins, Dir. of Ed.
Operator: Ida Cusar Callaway Foundation,

Open to youth groups and the general public. Conference facilities. Day and multi-day programs. Open every day. Hours: 7-6 Winter: 8-5 Annual budget $250-500,000. 6 Full-time staff. 2508 Acres. Lodging. Fees charged for facility use. Newsletter.

Mission: To provide a wholesome family environment where all may find beauty, relaxation, inspiration and a better understanding of the living world.

(291)

Dauset Trails Nature Center

Rt. 5, Box 78
Jackson, GA 30233
(404) 775-6798
Director: Kim C. Ruff
Contact: Sammy C. Cox, Head of Ed. Dept.
Operator: Daughtry Foundation

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: M-F 9-5; Sat. 10-5; Sun. 1-5 Annual budget $100-250,000. 3 Full-time staff. 1200 Acres. Camping. Newsletter.

Mission: The objective of D.T.N.C. is to provide a source of recreation, education, and environmental appreciation and understanding of our natural wonders for visitors of all ages.

Site and Program Features: We offer a unique outdoor discovery laboratory which encompasses over 1000 acres of forested land, 2 lakes, several streams, and 6 miles of hiking trails. Coupled with a wildlife rehabilitation program, our EE program offers a "hands-on" practical learning experience for students of all ages.

Unique Features: We have an interesting array of plant species indicative of the Piedmont region of Georgia. The majority of land is forested in mixed hardwood/pine.

(292)

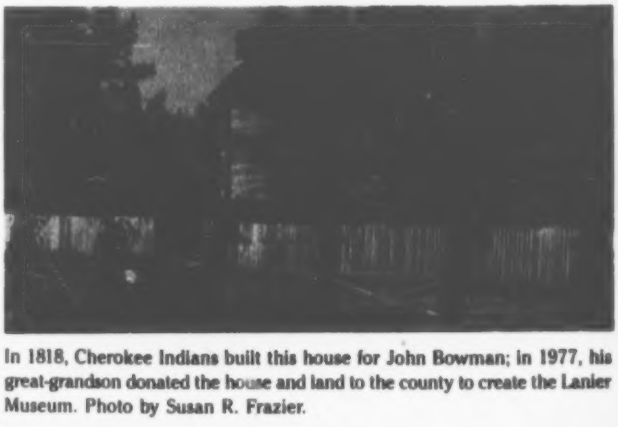
Elachee Nature Science Center

311 Green St. Station
Gainesville, GA 30501
(404) 535-1976
Director: Andrea O. Timpone

Open to youth groups and the general public. Conference facilities. Day programs. Open every day except Monday Hours: 9-5 Tues. - Sat.; 1 - 5 Sun. Seasonal changes in schedule. Closed on major holidays. Annual budget $100-250,000. 3 Full-time staff. Newsletter.

Mission: Elachee's mission is to help the people of N.E. Georgia to understand how the Earth's biosphere works, its importance and our role in it. This can best be done by studying the system at work in our own bioregion and, in particular, the Chicopee Woods Nature Preserve.

Site and Program Features: Chicopee Woods is a 1,500-acre nature preserve located within 45 miles of Atlanta. The site's tremendous biodiversity is unique. Elachee Nature Science Center's program strengths include curriculum-related school programs and local natural history programs.



In 1818, Cherokee Indians built this house for John Bowman; in 1977, his great-grandson donated the house and land to the county to create the Lanier Museum. Photo by Susan R. Frazier.

(293)

Fernbank Science Center

156 Heaton Park Dr., NE
Atlanta, GA 30307
(404) 378-4311

Director: Mary A. Hiers
Operator: DeKalb County School System

Open to youth groups and the general public. Open every day. Hours: 8:30-10; except M 8:30-5, Sa 10-5, Su 1-5 Closed on major holidays. Annual budget more than $1,000,000. 26 Full-time staff. 65 Acres. Newsletter.

Mission: Fernbank Science Center is an integral part of the DeKalb County School System and serves as a science resource center to the school system and the community. It supports and enhances the school system curriculum, and provides special programs and planetarium shows on a regular basis in the Atlanta community.

Site and Program Features: Fernbank Science Center is staffed by professionals in over a dozen levels of expertise and focuses on providing quality education to the DeKalb School System and the surrounding community. Resources include a Mark V Zeiss planetarium projector and 500-seat planetarium, an observatory with 36-inch reflecting telescope, an electron microscope laboratory, a 65-acre forest, and completely equipped labs in physics, chemistry, geology, meteorology, and microbiology.

DeKalb County School's Fernbank Science Center

(294)

Georgia State Museum of Science and Industry

Rm. 432 State Capitol
Atlanta, GA 30334
(404) 656-2846

Contact: Travis Hutchins, Museum Assistant

Open to youth groups and the general public. Day programs. Open every day. Hours: M-F 7:30-5:30; Sat 10-2; Sun 1-3 Closed on major holidays. Annual budget $100-250,000. 3 Full-time staff. 6 Acres.

Mission: The Georgia State Museum has over 150 exhibits housed within the confines of the state capitol. Our displays portray natural history and industry found throughout Georgia. A great place to bring the whole family.

Site and Program Features: Located on the first and fourth floors, displays include Indian artifacts, rocks and minerals, historical dioramas and mounted wildlife in natural habitats.

(295)

Georgia State Parks & Historic Sites

Georgia
STATE PARKS
&
HISTORIC SITES

205 Butler St.
Suite 1352
Atlanta, GA 30334
(404) 656-2770 FAX: 404-656-2285

Director: O.R. Cothran
Contact: Chuck Gregory, Chief Naturalist
Operator: GA Dept. Natural Resources

Open to youth groups and the general public. Conference facilities. Day programs. Open . Annual budget more than $1,000,000. 575 Full-time staff. Lodging. Camping. Newsletter.

Mission: To preserve, conserve and protect the natural and historic resources in Georgia is the mission of this department. Also, to develop, furnish and maintain recreational opportunities compatible with the environment of our parks, and to operate balanced ongoing interpretation and education programs.

(296)

Jekyll Island 4-H Center

201 S. Beachview Dr.
Jekyll Island, GA 31520
(912) 635-2708

Director: Ted Jenkins
Operator: U of GA Coop. Ext. Service

Open to youth groups. Conference facilities. Day and multi-day programs. Open Monday, Sunday. Hours: 8-5 Annual budget $250-500,000. 1 Full-time staff. 5 Acres. Lodging. Fees charged for facility use.

Site and Program Features: From September through May, the Jekyll Island 4-H Center provides two and four night environmental and marine education programs for students in grades 1-8. The Jekyll Island staff teams up with visiting classroom teachers to provide a multi-disciplinary curriculum for students. Classes deal with many aspects of the marine and upland environments as well as non-science topics: social studies, language arts, math, physical education, art, music, etc.

(297)

Lanier Museum of Natural History

2601 Buford Dam Rd.
Buford, GA 30518
(404) 945-3543

Director: Carla L. Taylor
Operator: Gwinnett Cnty. Parks & Recreation Div.

Open to youth groups and the general public. Day programs. Open every day except Monday. Hours: 12-5; except 10-5 Sat. Closed on major holidays. Annual budget $50-100,000. 1 Full-time staff. 10 Acres. Newsletter.

Mission: To preserve our heritage through environmental education, programs and exhibits that focus on the cultural, historical and natural history of Georgia.

Site and Program Features: The Lanier Museum is approximately 35 miles northeast of Atlanta in an area rich in cultural history. Located on our site is an 1818 log cabin where we present living history programs and tours circa 1860. We also offer classes and natural history programs at the museum, area parks and schools.

(298)

Museum of Arts & Sciences

4182 Forsyth Rd.
Macon, GA 31210
(912) 477-3232
Director: Nancy Anderson
Contact: George Espy, Public Relations Manager

Open to youth groups and the general public. Conference facilities. Open every day. Hours: M-Th,Sat. 9-5; F 9-9; Sun. 1-5 Observatory changes with daylight savings time Annual budget $500K-1,000,000. 7 Full-time staff. 14 Acres. Fees charged for facility use. Newsletter.

Mission: The mission of the Museum of Arts and Sciences is to acquire, preserve, study, interpret and exhibit objects of scientific, historical, cultural and artistic value that have inherent significance for the citizens of middle Georgia. This is to promote a fuller understanding of humankind, our heritage and environment.

Site and Program Features: Our museum has a 40; domed planetarium; three art galleries; two nature trails; a collection of live and mounted birds, insects, reptiles, mammals and amphibians; daily planetarium programs and live animal shows; bimonthly changing planetarium programs; and a 250-seat capacity performance hall. We have an overall public program offering.

(299)

Natural Science Rehabilitation Center

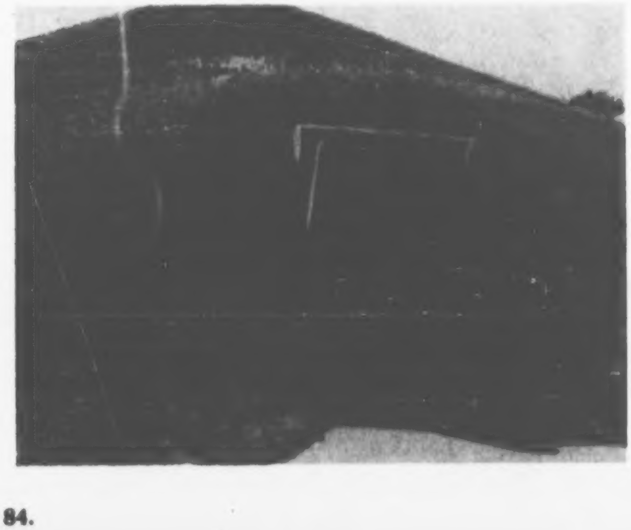
Box 70573
Marietta, GA 30007
Director: Jean Wright
Contact: Michael Good, President
Operator: Nature's Way Association

Open to youth groups and the general public. Conference facilities. Open every day. Hours: M-Sat. 9-5; Sun. 2-6. Annual budget $100-250,000. 25 Acres. Newsletter.

Mission: Operation of a $450,000 native wild animal clinic, area-wide animal rehabilitation program, $3,000,000 natural science center, special programs for children and youth.

Site and Program Features: 25-acre natural area with pond and wetlands in which beavers are active. Nature trails for small groups. 150- to 300-acre animal release areas are located 50 miles from the city of Atlanta.

Unique Features: This is a new center scheduled to open in 1990.



(300)

Oatland Island Education Center

711 Sandtown Rd.
Savannah, GA 31410
(912) 897-3773
Director: Tony Cope
Contact: Bill McLaughlin, Asst. Dir.

Open to youth groups and the general public. Day and multi-day programs. Open every day except Saturday, Sunday. Hours: 8:30-5 Open 2nd Sat. of Oct.,Nov.,Jan-May Closed on major holidays. Annual budget $250-500,000. 2 Full-time staff. 175 Acres. Camping.

Mission: To help people in this area to develop an understanding of their role in the environment–how people affect the environment and how they in turn are affected by it.

Site and Program Features: The center consists of 175 acres of land situated on a deep creek with 50 acres of maritime forest, 50 acres of open fields and 75 acres of salt marsh. More than 40 objective-oriented programs for grade levels K-12 have been developed as well as special programs for the general public. Annual visitation averages 50,000.

(301)

Ocmulgee National Monument

1207 Emery Highway
Macon, GA 31201
(912) 752-8257
Director: Mark Corey
Contact: Kim Sperry, Park Ranger
Operator: National Park Serivce

Open to youth groups and the general public. Day programs. Open every day. Hours: 9-5 Closed on major holidays and Christmas, New Years Annual budget $250-500,000. 7 Full-time staff. 685 Acres. Fees charged for facility use. Newsletter.

Mission: The goal of Ocmulgee National Monument is to preserve and protect the natural environment and the cultural resources within the Monument. School programs involve a "hands-on" discovery lab, which emphasizes cultural and natural resources. We specialize in the southeastern Indian culture that was here 1,000 years ago and show how the Indians used the land for survival.

Site and Program Features: Ocmulgee National Monument spans 10,000 years of southeastern Indians, dating back to the Paleo Indians through the historic Creeks. The most unique feature of the monument is the earthlodge. This earthen structure contains the original 1,000-year-old clay floor. We offer a discovery lab for youngsters to get a hands-on experience of life during the time of the Indians. Ocmulgee also has 9 mounds constructed by the Mississippian Indians.

Unique Features: Ocmulgee National Monument contains 9 Indian Mounds. The area consists of mainly wetlands with a swamp and a creek flowing through the monument. Dispersed throughout the site is dense woodland, which is home to deer and other animals.

An unusual structure, such as "Earthlodge" at Ocmulgee National Monument, can be the focal point of many programs.

(302)

Okefenokee National Wildlife Refuge

Rt. 2, Box 338
Folkston, GA 31537
(912) 496-7836

Director: Don Perkuchin
Contact: Jim Burkhart, Chief Outdoor Rec. Planner
Operator: U.S. Fish and Wildlife Service

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: 7 am-7:30 pm (3/1-9/10) 8 am-4:30 pm (9/11-2/28). Annual budget $500K-1,000,000. 3 Full-time staff. 396,000 Acres. Fees charged for facility use.

Mission: (1) To provide optimum habitat and protection for endangered and threatened species, including the American alligator, red-cockaded woodpecker, and indigo snake. (2) To provide optimum habitat for a wide diversity of birds, mammals, reptiles and amphibians. (3) To provide protection to the unique environmental qualities of the Okefenokee Swamp. (4) To provide opportunities for wildlife-oriented recreation, interpretation, and environmental education for 800,000 visitors annually.

Site and Program Features: Okefenokee National Wildlife Refuge is a unique wildlife habitat comprised of a combination of peat bog, open water, and swamp forest which encompasses one of the most pristine areas in the U.S. Cypress, blackgum and bay forests dominate much of the swamp's west side, while prairies, dotted with small lakes and interspersed with clumps of trees and shrubs, characterize the east side. Hardwood hammocks are scattered among pine stands on the perimeter uplands. Optimum habitat and protection for endangered, threatened and other wildlife species are provided through public use policies and facility designs. These practices concentrate the impact of the large number of people visiting the refuge on a fraction of the area managed. Most visitors enter the refuge at one of three primary entrances, which are located along the refuge perimeter. A large percentage of these visitors do not venture beyond the public use areas provided, and those venturing further are usually accompanied by a refuge guide. Fishermen, photographers, and other day-use visitors who enter the swamp interior are restricted to the main trail arteries. Overnight campers along the wilderness canoe trail system are required to obtain a special use permit, which limits the number of persons allowed in the wilderness and assigns them to a designated campsite. American alligators, sandhill cranes, red-cockaded woodpeckers, wood ducks, and many other migratory and resident wildlife species find essential habitat within the refuge.

Unique Features: Our site features the largest freshwater swamp in the southeast.

(303)

Panola Mountain State Conservation Park

2600 Highway 155, SW
Stockbridge, GA 30281
(404) 474-2914

Director: Robert Emery

Open to youth groups and the general public. Day programs. Open every day. Hours: 7 - dark Annual budget $100-250,000. 5 Full-time staff. 617 Acres. Newsletter.

Mission: Our mission is to preserve a unique granite outcrop environment, to educate students as well as the general public about the environment, and to provide an escape from the urban jungle.

Site and Program Features: The main special feature of this site is the natural granite outcropping. We also have nice trails, nature center and picnic area. The main strength of our program is our environmental education offerings to students as well as to the general public.

Unique Features: One of the finest examples of a natural granite outcropping remaining in this part of the country.

(304)

Piedmont National Wildlife Refuge

Rt. 1, Box 670
Round Oak, GA 31038
(912) 986-5441

Director: Ronnie L. Shell
Contact: Kathy K. Chapman, Asst. Manager-Public Use

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: M-F 8-4:30; Sat-Sun 9-5 Closed on major holidays. 1 Full-time staff. Annual budget $250-500,000. 35,000 Acres.

Mission: Piedmont National Wildlife Refuge is 35,000 acres of mixed pine and hardwood forest. It is rolling hills with many creeks. It is a conservation success story of how worn out cotton farm land was made into excellent habitat for a wide diversity of wildlife species. Our goals in order of importance are to preserve and protect endangered species, provide habitat for migratory birds, provide habitat for a diversity of native wildlife and provide high quality wildlife-oriented recreation.

Site and Program Features: We have a nature center and nature trails open daily. We do close two trails during fall deer hunts. We have 25 colonies of the endangered red-cockaded woodpecker. We give programs on a reservation basis and have a 56-seat auditorium.

Unique Features: 25 colonies of endangered red-cockaded woodpeckers; one nature trail goes to a colony.

Sandy Creek
NATURE CENTER

(305)

W. H. Reynolds Memorial Nature Preserve

5665 Reynolds Road
Morrow, GA 30260
(404) 961-9257
Contact: Marcia Daniels, Preserve Manager
Operator: Clayton County Parks & Recreation Dept.

Open to youth groups and the general public. Day programs. Open every day. Hours: M-F 8:30-5:30; Sat. 11-3; Sun. 1-5 Closed on major holidays. Annual budget $50-100,000. 3 Full-time staff. 120 Acres. Newsletter.

Mission: The mission of this nature center is to preserve and maintain the 120-acre site, to develop environmental awareness and appreciation, and to provide opportunities for passive recreation.

Site and Program Features: The W. H. Reynolds Nature Preserve is a unique site. The 120-acre site is of historical as well as environmental significance. Features of particular interest include the Huie-Reynolds Home, which dates back to 1867, the remains of a spring house, and a barn constructed in the early 1900s. Some of the natural features include four spring-fed ponds and spring head, a great white oak tree (est. 350-500 yrs.), and a varied topography with one of the highest points in the county. The preserve provides an opportunity for environmental education, as well as passive recreation, with an emphasis on visitors of all ages learning to respect and understand their environment.

(306)

Rock Eagle 4-H Center Environmental Education Prog.

350 Rock Eagle Rd.
Eatonton, GA 31024
(404) 485-2831
Director: Arch Smith
Contact: Rusty Garrison, Ext. 4-H Specialist
Operator: U of GA Coop. Ext. Service

Open to youth groups. Conference facilities. Day and multi-day programs. Open Monday, Sunday. Hours: 8-5 Annual budget more than $1,000,000. 5 Full-time staff. 1500 Acres. Lodging. Fees charged for facility use.

Site and Program Features: The Center is situated along a quiet, well stocked, 110-acre lake, bordered by 1,500 acres of managed forest lands. In the main complex are 54 comfortable cottages and 15 educational buildings. Each newly renovated cottage accommodates approximately 18 people and includes a separate room and private bath for teachers or chaperones. A medical staff is on call and a night security guard is on duty.

(307)

Sandy Creek Nature Center

Old Commerce Rd.
Athens, GA 30607
(404) 354-2930
Director: Nancy B. Smith
Contact: J. Michael Wharton, Asst. Dir. for Ed.
Operator: Clarke County Dept. of Parks

Open to youth groups and the general public. Day programs. Open every day except Sunday. Hours: M-F 8-5; Sat. 12-5 (Mar.-Nov.) Seasonal changes in schedule. Annual budget $100-250,000. 4 Full-time staff. 200 Acres. Newsletter.

Mission: Sandy Creek Nature Center exists so that individuals with a love of nature can have a means for group action toward the achievement of two primary goals: to stimulate awareness, appreciation, and sound stewardship of our natural resources and their delicately balanced interrelationships; and to identify significant natural areas, and encourage their protection from unwise development, and to management them instead for education and the enrichment of the human experience.

Site and Program Features: Sandy Creek Nature Center, a division of Clarke County Department of Parks, is comprised of 200 acres of upland woods, fields, ponds, floodplain, and marshland. This diversity of successional stages supports a variety of plants and animals indigenous to Piedmont Georgia. Nestled between the North Oconee River and Sandy Creek, approximately 4 miles of trails weave through this acreage. The trails and land are connected to an additional 1,200 acres of Clarke County Department of Parks land. The land, along with classroom and exhibit facilities, serves to educate the community toward the appreciation of the natural environment.

Unique Features: Contains typical piedmont forest, field, pond, river and stream, all juxtapositioned on 200 acres.

(308)

Savannah Science Museum

4405 Paulsen St.
Savannah, GA 31405
(912) 355-6705
Director: Christopher Schubert
Contact: Catherine Blocker, Education Director

Open to youth groups and the general public. Conference facilities. Day programs. Open every day except Monday. Hours: T-Sat. 10-5; Sun. 2-5 Special programs change monthly. Closed on major holidays. Annual budget $100-250,000. 5 Full-time staff. Newsletter.

Mission: The Savannah Science Museum provides in-museum and outreach programs, services, and special events in the natural sciences, archaelogy, and astronomy and maintains both permanent and temporary exhibits that inform and educate school children as well as the general public in areas of physical science, astronomy, and natural history.

Site and Program Features: The museum's extensive herpetology collection is the largest in the southeast and includes live displays of native and exotic snakes as well as over 26,000 preserved specimens. Special programs range from formal lectures and planetarium skyshows to field-study tours. The Caretta Research Project studies the endangered loggerhead sea turtle, and for a tax-deductible fee volunteers can join the research team for a week. The museum also mounts temporary exhibits, such as the recognized "Leonardo da Vinci" exhibition produced by IBM.

Unique Features: The Savannah Science Museum itself is in an urban setting, but the surrounding coastal area is comprised of freshwater rivers, salt water rivers, beaches, marsh, as well as forests and woodlands.

(309)

Southface Energy Institute

158 Moreland Ave.
Atlanta, GA 30316
(404) 627-2643
Director: Dennis Creech

Open to youth groups and the general public. Day and multi-day programs. Open every day except Saturday, Sunday. Hours: 9-5 Annual budget $250-500,000. 10 Full-time staff. Newsletter.

Mission: Our mission is to educate consumers, building professionals and policy makers on the benefits of energy conservation and renewable energy.

Site and Program Features: The South Face Energy Institute operates an energy demonstration center in a renovated Victorian home in Atlanta. It offers the Homebuilding School several times a year. This program teaches people how to design, contract, build or remodel energy efficient homes.

(310)

Spalding Nature Center

2853 ABG-SSRO
Robins AFB, GA 31098
(912) 926-4500
Director: Kathie A. Gutierrez
Contact: Lisa Tonn, Nature Center Director
Operator: U.S. Air Force

Open to youth groups and the general public. Open every day except Monday, Tuesday, Wednesday. Hours: 1:30-5:30 Closed on major holidays. Annual budget $25-50,000. 1 Full-time staff. 6000 Acres. Fees charged for facility use.

(311)

Tybee Island 4-H Center

201 S. Beachview Dr.
Jekyll Island, GA 31328
(912) 635-2708
Director: Ted Jenkins
Operator: U of GA Coop. Ext. Service

Open to youth groups. Conference facilities. Day and multi-day programs. Open Monday, Sunday. Hours: 8-5 Annual budget $50-100,000. 1 Full-time staff. 5 Acres. Lodging. Fees charged for facility use.

(312)

University of Georgia

Marine Extension Service
Box 13687
Savannah, GA 31416
(912) 356-2496 FAX: (912) 356-2791
Director: Dr. Jay Calkins
Contact: Bob Williams, Marine Educator II

Open to youth groups and the general public. Conference facilities. Day and multi-day programs. Open every day. Hours: M-F 8:30-4; Sat.-Sun. 12-5 Closed on major holidays. Annual budget $250-500,000. 21 Full-time staff. 640 Acres. Lodging.

Mission: The major mission of the Marine Extension Service education program is to increase knowledge and awareness of the marine environment and natural resources. Courses lasting from half-day to three weeks include K-12 students and adults in lectures, laboratories, field experiences and on-board boat instruction using the local marine environment.

Site and Program Features: Our site features a well-trained permanent staff of 21 people and a facility that includes dry and wet labs, a public aquarium, boats and docks with deep-water access to the Georgia coast give the visitors to the Marine Extension Center on Skidaway Island an excellent opportunity to learn about the coast and its natural resources.

(313)

Wilderness Southeast Inc.

711 Sandtown Rd.
Savannah, GA 31410
(912) 897-5108
Director: Ted Wesemann

Open to youth groups and the general public. Multi-day programs. Open every day except Saturday, Sunday. Hours: 9-5 Annual budget $250-500,000. 6 Full-time staff.

Mission: Wilderness Southeast is a non-profit school of the outdoors dedicated to those who find nature not an adversary but a storehouse of infinite knowledge and experience. Since 1973, our naturalists have led educational adventures to the mountains, swamps, barrier islands, coral reefs, and jungles of the Southeastern U.S., Caribbean, and Central America.

A strong internship program gives many hours of valuable experience to tomorrow's EE leaders. Photo by University of Georgia Cooperative Extension Service EE Program

Who would have guessed that the mud at the bottom of a pond was full of life? Photo courtesy of Hillboro County Board of Education.

(314)

Haleakala National Park

Box 369
Makawao, HI 96768
(808) 572-9306
Contact: Donald Reeser, Superintendent

> Open to youth groups and the general public. Day and multi-day programs. Open every day. Hours: 7:30-4 29,556 Acres. Camping. Fees charged for facility use.

Mission: The National Park Service mission at Haleakala is to preserve and protect the valuable natural and cultural resources found within the park. We provide for visitor services and safety and public education on issues vital to the park's mission, such as the preservation of endangered plants and animals, the geologic story and the role of Hawaiian culture at Haleakala.

Site and Program Features: Haleakala is a dormant volcano that makes up the east section of the island of Maui. The park encompasses the coast all the way up to 10,000'. The scenery and native flora and fauna are unsurpassed anywhere else in the world. The sunrise and sunset over Haleakala are world renowned.

Unique Features: The volcanic crater district is 7 1/2 miles long by 2 1/2 miles wide and 3,000 feet deep; 18 cinder cones, the tallest is 8,133 feet; montane cloud forest.

(315)

Hawaii Nature Center

2131 Makiki Hts. Drive.
Honolulu, HI 96822
(808) 973-0100
Director: Tamar Chotzen
Contact: Faith Roelofs, School Program Coordin.
Operator: Hawaii State Dept. of Land & Natural Res

> Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: 8-4:30 Seasonal changes in schedule. Closed on major holidays. Annual budget $100-250,000. 5 Full-time staff. 2000 Acres. Newsletter.

Mission: A nonprofit organization committed to "hands-on" education programs, the Hawaii Nature Center promotes a greater awareness, understanding and appreciation of our unique island home, and encourages wise stewardship of the islands for the future.

Site and Program Features: The 2,000-acre Makiki-Tantalus State Recreation Area, with its streams, mountains, forests and trails, is the outdoor classroom for the Hawaii Nature Center's programs for school children, special groups and the public.

Unique Features: We are replanting a small native forest on a hillside near the center for teaching purposes and use by the public.

(316)

Hawaii Volcanoes National Park

Box 52
Hawaii Volcanoes N. P., HI 96718
(808) 967-7611
Director: Hugo H. Huntzinger
Contact: Richard A. Rasp, Chief Park Naturalist
Operator: National Park Service

> Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: 8-5. Annual budget more than $1,000,000. 2 Full-time staff. 230,000 Acres. Fees charged for facility use.

Mission: To interpret the geological, biological and cultural aspects of Mauna Loa (largest volcano) and Kilawea (most active volcano). To preserve and perpetrate geology, natural, and cultural history.

Site and Program Features: Interpretation of active volcanism; interpretation and demonstration of native Hawaiian culture; and interpretation of Hawaiian rainforest flora and fauna.

Unique Features: Unique features include active erupting volcanoes, shield volcanoes, true rainforest with 100' + /year, steam and sulfur vents, craters/calderas, black sand beaches, new lava lands, rift zones, pit craters.

(317)

Hui-O-Laka - Kokee Museum

P.O. Box 100
Kekaha, HI 96752
(808) 335-9975
Director: Marsha A. Erickson

> Open to youth groups and the general public. Day programs. Open every day. Hours: 10-4. Annual budget $50-100,000. 3 Full-time staff. Lodging. Newsletter.

Mission: To educate the public in a natural and cultural environment.

Site and Program Features: Located on Kauai in the Waimea Canyons State Park.

HAWAI'I NATURE CENTER
NATURE EDUCATION FOR HAWAII'S PEOPLE

(318)

Harold L. Lyon Arboretum - UH Manoa

3860 Manoa Rd.
Honolulu, HI 96822
(808) 988-3177
Director: Yoneo Sagawa
Operator: University of Hawaii

Open to youth groups and the general public. Conference facilities. Day programs. Open every day except Sunday. Hours: M-F 9-3; Sat. 9-12 Closed on major holidays. Annual budget $250-500,000. 6 Full-time staff. 124 Acres. Fees charged for facility use. Newsletter.

Mission: The Lyon Arboretum is a place where people can come to learn more about the wonders of tropical plants, conservation and the environment.

Site and Program Features: Lyon Arboretum is set in a rain forest environment. Programs introduce visitors through guided tours to exotic tropical plants as well as nature and endemic Hawaiian plants. Economic plants, such as those used or eaten in daily life, are our specialty. Special programs are available, by appointment, for school and youth groups.

(319)

Waikiki Aquarium

1904 · WAIKIKI · 1989
AQUARIUM
WAVES · OF · CHANGE

2777 Kalakaua Ave.
Honolulu, HI 96815
(808) 923-9741
Director: Bruce A. Carlson
Contact: Ralph Seewald, P.R. Director
Operator: University of Hawaii at Manoa

Open to youth groups and the general public. Open every day. Hours: 9-5. Annual budget more than $1,000,000. 25 Full-time staff. 3 Acres. Fees charged for facility use. Newsletter.

Mission: The mission of the Waikiki Aquarium is "to help people of all ages to understand, to love, and to care for the life of the ocean" by providing educational and entertaining experiences involving the oceans and their living systems through exhibits, collection and maintenance of aquatic organisms and regular science-related programs.

Site and Program Features: Founded in 1904, the Waikiki Aquarium is the third-oldest aquarium in the United States. The facility is one of only two in the world which sit on the edge of a living, natural coral reef. The exhibits, research and collections of the Waikiki Aquarium focus on the marine life of Hawaii and the Tropical South Pacific. More than 35,000 school-age children each year visit the Aquarium in organized groups, taking advantage of the Aquarium's educational programs.

Unique Features: The Waikiki Aquarium sits on the edge of the ocean in Honolulu's largest urban park, adjacent to a natural coral reef.

(320)

Waimea Falls Park

59-864 Kam. Hwy.
Haleiwa, HI 96712
(808) 638-8511 FAX: (808) 638-7900
Director: Roberts Leinaw
Contact: Bunny Vasconseles, Education Coordinator
Operator: Associates Four

Open to youth groups and the general public. Conference facilities. Day and multi-day programs. Open every day. Hours: 10-5:30. Annual budget more than $1,000,000. 500 Acres. Camping. Fees charged for facility use. Newsletter.

Mission: Waimea Falls Park, through our Education Dept., Historical Dept. and Botanical Garden Dept. and wildlife exhibits, strives to present a comprehensive natural experience. Through structured and self-guided tours, the visitor is exposed to a wide variety of natural and historical features. Education is life.

Site and Program Features: Restored ancient dwelling site. Cultural presentations. Over 3,000 botanical taxa in fully labeled collections. Endangered wildlife exhibits. Educational tours, programs customized for any group need. Facilities for special programs may be arranged.

Unique Features: Site includes 45'-high rain-fed waterfall with a natural pond below.

Ancient Hula dances and chants are part of the human history interpretation at Waimea Falls Park. Photo by Monte Costa

(321)

Craters of the Moon National Monument

Box 29
Arco, ID 83213
(208) 527-3257

Director: Robert Scott
Contact: David Clark, Park Interpreter
Operator: National Park Service

Open to youth groups and the general public. Day programs. Open every day. Hours: Summer: 8-6 Remainder of year: 8-4:30 Closed on major holidays. 8 Full-time staff. 53,400 Acres. Camping. Fees charged for facility use.

Mission: Our mission is to provide visitors with an opportunity to understand and appreciate a unique volcanic landscape, and to conserve that landscape and all flora and fauna.

Unique Features: Our site features volcanic formations, cinder cones, lava flows.

(322)

Deer Flat National Wildlife Refuge

Box 448
Nampa, ID 83653
(208) 467-9278

Director: Jim Messerli
Contact: Barry Whitehill, Asst. Refuge Manager
Operator: U.S. Fish & Wildlife Service

Open every day except Saturday, Sunday. Hours: 7:30-4. Boating not allowed 10/1-4/5. Closed on major holidays. Annual budget $100-250,000. 6 Full-time staff. 11,585 Acres.

Mission: Deer Flat National Wildlife Refuge provides habitat for large numbers of wintering waterfowl, especially mallards and Canada geese.

Site and Program Features: This 11,430 acre refuge is located four miles southwest of Nampa, Idaho. The refuge is composed of two units: the Lake Lowell and the Snake River Islands sectors. In 1909 an executive order of President Theodore Roosevelt established the Lake Lowell portion as a national wildlife refuge.

Unique Features: Our site features Lake Lowell–9,000 acres; Snake River Islands–107 islands in 113-mile stretch.

(323)

Dworshak Project Visitor's Center

Box 48
Ahsahka, ID 83520-0048
(208) 476-1261 FAX: (208) 476-1219

Director: Rodger Colgan
Contact: Phil Walker, Asst. Resource Manager
Operator: U.S. Corps of Engineers

Open to youth groups and the general public. Day programs. Open every day. Hours: 9-6 Winter: Sat-Sun 7:30-4. Closed on major holidays. Annual budget $50-100,000. Lodging. Newsletter.

Mission: Dworshak's Visitor Center is open to the general public and offers several interesting programs and audio visual displays which provide information about the dam and its relative activities. Movies and slide presentations include the history of the Nez Perce Indians, historical log drives on the North Fork of the Clearwater River and elk habitat mitigation, along with displays showing various interest and recreational activities one can enjoy at Dworshak.

A special feature is observation stations equipped with binoculars for viewing beautiful mountain scenery and/or observing native wildlife, which include the bad eagle and osprey. Another attraction includes a guided tour that takes the visitor down through the highest straight-axis gravity dam in North America and into the powerhouse where one can view huge generators capable of producing 400,000 kilowatts of hydroelectric energy.

Site and Program Features: The Visitors Center is a public facility designed to offer educational programs, information about the area (brochures, maps), and to welcome the visitors to the Dworshak Project. Tours are available by reservation throughout the year.

(324)

Farragut State Park

E. 13400
Ranger, ID 83801
(208) 683-2425

Director: Bryan Rowder
Contact: Pat Cole, Receptionist
Operator: Idaho Dept. of Parks & Rec.

Open to youth groups and the general public. Day and multi-day programs. Open every day. Hours: 7:30 PM-8:00 PM. Seasonal changes in schedule. Annual budget $100-250,000. 4000 Acres. Camping. Fees charged for facility use.

Mission: One of our major goals is to provide environmental education in many ways to park visitors. We need a full-time staff person to accomplish this goal—therefore, our goal is funding for this staff person.

Site and Program Features: Plenty of land area, variety of natural features to work with, along with man-controlled disturbances.

(325)

Idaho Museum of Natural History

Box 8096
Pocatello, ID 83209
(208) 236-3168 FAX: (208) 236-4000

Director: Dr. Wallace A. Steffan
Contact: Rebecca A. Burton, Ed. Resources Coordinator

Open to youth groups and the general public. Day programs. Open every day. Hours: Mon-Sat 9-5; Sun 12-5 Summers: T-Sat 9-7; Sun-Mon 9-5. Annual budget $500K-1,000,000. 5 Full-time staff. Newsletter.

(326)

Mud Lake Wildlife Management Area

State of Idaho Dept. of Fish & Game
Mud Lake Wildlife Management Area
P.O. Box 143
Terreton, ID 83450
(208) 663-4336

Director: Jerry Conley
Contact: Dave Wagner, Sr. Wildlife Land Mgr.
Operator: State of Idaho Dept. of Fish & Game

Open to youth groups and the general public. Open every day. Annual budget $100-250,000. 1 Full-time staff. 8853 Acres. Camping.

Mission: Mud Lake Wildlife Management Area is for the protection and propagation of wildlife. It is open for public use, but we have no structured programs. Tours are available with an appointment. Primary uses are hunting, fishing, bird watching, boating, and sightseeing.

Site and Program Features: We have no structured programs. An observation tower and 2 primitive campgrounds are on the WMA.

(327)

Priest Lake State Park

Indian Creek Bay #423
Coolin, ID 83821
(208) 443-2200

Contact: Larry Townsend, Park Manager
Operator: State of Idaho Dept. of Parks & Rec.

Open to youth groups and the general public. Multi-day programs. Open every day. Hours: Summer: 7:30-9:00; Winter: 7-5:30 Winter: Closed Sat., Sun. Closed on major holidays. Annual budget $100-250,000. 4 Full-time staff. Camping. Fees charged for facility use.

Mission: The primary objective is to offer to the general public a safe, healthful, and enjoyable recreation experience. A secondary objective is to impart some knowledge to them of the environment and how humans relate to and impact it.

Site and Program Features: Priest Lake State Park is situated in an area with rugged mountains; a pristine, major lake; and access to remote areas. Our interpretive program is based primarily on a volunteer organization and seasonal staff as providers. Permanent staff handle non-summer programs. Certain pre-prepared programs are offered during the summer months, and special programs are compiled on request during other times of the year.

(328)

Three Island State Park

Box 609
Glenns Ferry, ID 83623
(208) 366-2394

Director: Roy S. Evans

Open every day. Hours: 7 am-9 pm Winter: 7 am-3:30 pm Camping.

LET'S GO SEE
ALDEEN PARK

(329)

Aldeen Environmental Education Center

623 N. Alpine Rd.
Rockford, IL 61107
(815) 398-1767
Director: Jan Lindenmier
Operator: Rockford Park District

Open to youth groups. Day programs. Open every day except Saturday, Sunday. Hours: 9-2:30 Seasonal changes in schedule. Closed on major holidays. Annual budget $10-25,000. 2 Part-time staff. 90 Acres.

Mission: We are dedicated to helping children/adults develop an awareness and understanding of interrelationships in various environments through direct experiences.

Site and Program Features: Urban Park, centrally located, easy access to marked nature trails. Nature center, domesticated animals, creek, plus food control dam, forest and fields. Geared to elementary-age children grades Kindergarten to 6th grade, offers a variety of areas of study related to social studies and science. We can tie right into the concepts being taught in local schools.

(330)

Cabin Nature Program Center

111 S. Wood Dale Rd.
Wood Dale, IL 60191
(708) 860-1111
Director: Patrick McCord
Operator: Wood Dale Park Dist/NE DuPage Spec. Rec.

Open to youth groups and the general public. Conference facilities. Day programs. Open every day except Sunday. Hours: 9-5. Closed on major holidays. Annual budget $100-250,000. 3 Full-time staff. 20 Acres. Camping. Fees charged for facility use. Newsletter.

(331)

Camp Sagawau - Cook County Forest Preserves

12545 W. 111th St.
Lemont, IL 60439
(312) 257-2045
Director: Ralph C. Thornton

Open to the general public. Day programs. Hours: Open for scheduled programs only. Seasonal changes in schedule. Annual budget $100-250,000. 2 Full-time staff. 50 Acres.

Mission: To provide environmental education to Chicago-area adult and family groups. Also to provide a positive outdoor winter experience through a nordic ski program.

Site and Program Features: Camp Sagawau includes the Sagawau Canyon Nature Preserve, Dave Blenz Memorial Prairie Restoration, and rich mesic woodlands and savannah. Our program provides high quality environmental education to adult and family groups.

(332)

Camp Shaw-Waw-Nas-See

Rt 1, Box 198
Manteno, IL 60950
(815) 933-3011
Director: David & Anne Barrow
Operator: Northern Illinios 4-H Camp Association

Open to youth groups and the general public. Conference facilities. Day and multi-day programs. Open every day. Hours: 8-5. Annual budget $250-500,000. 2 Full-time staff. 120 Acres. Lodging. Newsletter.

Mission: Programs that build self-esteem and self-confidence through fun, recreation and education. A rich and varied natural setting in which to increase appreciation and understanding of our environment.

Site and Program Features: Camp Shaw-Waw-Nas-See offers an exceptional site in northern Illinois where groups may implement their own EE/OE programs August-May. The camp runs educational and recreational programs for youth, teens, adults and families in June and July.

(333)

Camp Tuckabatchee Inc.

100 W. Lafayette St.
Ottawa, IL 61350
(815) 434-4409
Director: Jane Mills

Open to youth groups and the general public. Conference facilities. Multi-day programs. Annual budget $10-25,000. 1 Full-time staff. 150 Acres. Lodging. Camping. Fees charged for facility use.

Mission: Our mission is to provide an outdoor living program for children kindergarten through high school. To develop attitudes for living outdoors and enjoying nature. To develop individual personal growth in being away from home. To develop an appreciation for nature.

Site and Program Features: As well as the main camp cabins and lodge, we have a winterized lodge with kitchen which will sleep 40.

Unique Features: Physical features include: 8 screened cabins that will sleep 10-12 people; lodge/dining hall with kitchen for 120 people; main camp grounds are surrounded by a creek with 6' stone wall and bridge.

(334)

Center for American Archeology

Marquette & St. Louis Ave.
Kampsville, IL 62053
(618) 653-4316
Director: Tony Schwinghamer
Contact: Brenda Nord, Field School Assistant

Open to youth groups and the general public. Conference facilities. Day and multi-day programs. Open every day except Monday, Tuesday. Hours: 9-5. Seasonal changes in schedule. Closed on major holidays. Annual budget more than $1,000,000. 35 Full-time staff. Newsletter.

Mission: To conduct outstanding archeological research, to increase public awareness of America's prehistoric cultural heritage and to design and market exemplary educational and research materials.

Site and Program Features: Students participate in on-going archeolgoical research, and they are encouraged to design and conduct research projects of their own.

(335)

Champaign County Forest Preserve District

P.O. Drawer 669
Mahomet, IL 61853
(217) 586-2612
Director: John F. Oldenburg
Contact: Cheryl Kennedy, Dir. of Museum & Ed. Dept.
Operator: Champaign County

Open to youth groups and the general public. Day programs. Open every day. Hours: May-Sept. 7am-10 pm Oct.-Apr. 7-5. Annual budget more than $1,000,000. 6 Full-time staff. 3030 Acres. Lodging. Camping. Fees charged for facility use. Newsletter.

Mission: The three most important areas are conservation, education and recreation. Our goals are to protect and preserve the flora, fauna, and scenic beauties of our natural resources. To provide opportunities for the public to develop understanding and appreciation of our natural and historic resources. And to provide recreation while preserving the natural areas.

Site and Program Features: The CCFPD operates three preserves: Saltfork River, Lake of the Woods and Middlefork River. The Saltfork has an education center with interpretive displays which depict early Native American culture and natural history of eastern Illinois. Lake of the Woods hosts a museum which interprets early to mid-19th century rural life in the great prairie region of eastern Illinois. An 18-hole golf course is also located in LOW. The Middlefork, the most rural preserve, offers an interpretive trail system with camping and swimming. All of the preserves offer fishing, hiking and rental buildings. The programming deals with life from Native American culture to 19th century rural life and the changes of the natural history in eastern Illinois prairie.

Unique Features: Floodplains, river bottoms.

(336)

Chicago Academy of Sciences

2001 N. Clark
Chicago, IL 60614
(312) 549-0343 FAX: (312) 549-5199
Director: Dr. Paul Heltne
Contact: Mary F. Oehler, Education Coordinator

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: 10-5. Extended summer hours/ special exhibits Newsletter.

(337)

Chicago Botanic Garden

Lake Cook Rd.
Glencoe, IL 60022
(312) 835-5440 FAX: (312) 835-4484
Director: Dr. Roy L. Taylor
Contact: Sue Brogdon, Dir. of Education
Operator: Chicago Horticultural Society

Open to youth groups and the general public. Day programs. Open every day. Hours: 7-sunset. Seasonal changes in schedule. Annual budget more than $1,000,000. 7 Full-time staff. 300 Acres. Fees charged for facility use. Newsletter.

Mission: To stimulate an interest in, appreciation for, and understanding of gardening, horticulture, botany and conservation of natural resources by the development of plant collection, education and research programs of excellence.

(338)

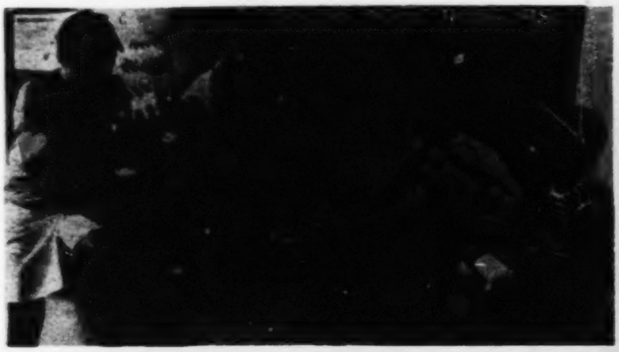
Crabtree Nature Center

Rt. 3, Stover Rd.
Barrington, IL 60010
(312) 381-6592
Director: Charles A. Westcott
Operator: Forest Preserve District of Cook Cnty.

Open to youth groups and the general public. Day programs. Open every day. Hours: M-F 9-4:30; Sat.-Sun. 9-5 Nov.-Feb. 9-4. Annual budget $100-250,000. 4 Full-time staff. 1100 Acres.

Mission: Our basic purpose is to promote the highest quality of use on the county's 67,000 acres of wild land. Emphasis is placed upon relationships in nature, and especially those between man and the land.

Site and Program Features: On the center's 1,100 acres are forest, marshes, lakes and grasslands, which harbor a wide variety of fauna and flora. The 5,800 sq. ft. visitor center and over three miles of nature trails introduce visitors to ecological relationships as well as wildlife. An experienced professional naturalist staff provides a variety of interpretive services.



It is fun to learn about huge, ancient creatures that can't hurt you now. Photo courtesy of the Chicago Academy of Sciences by Robert Levy.

(339)

Dickson Mounds Museum

RR #1, Box 185
Lewistown, IL 61542
(309) 547-3721 FAX: (309) 547-3722

Director: Judith A. Franke
Contact: Betty J. Fawcett, Asst. to Director
Operator: State of Illinois/Dept. Energy/Nat. Resources

Open to youth groups and the general public. Conference facilities. Day programs. Hours: 8:30-5 daily Closed on major holidays. Annual budget $500K-1,000,000. 8 Full-time staff. 162 Acres. Newsletter.

Mission: Dickson Mounds is one of the few on-site archaeological museums in the Midwest. The purpose of the museum is to discover and preserve the heritage of the prehistoric American Indian, through ongoing archaeological excavations, study of material remains, publications, exhibits, and interpretive programs. The museum preserves, on its 162 acres of grounds, several major archaeological sites.

Site and Program Features: The museum offers several special programs. A series of Sunday afternoon programs is given twice a year. Guided tours are provided year round to groups with reservations. Groups may also schedule a discovery program in which they participate in activities such as using stone tools, grinding corn, or making pottery or baskets.

(340)

Elgin Public Museum

225 Grand Blvd.
Elgin, IL 60120
(312) 741-6655

Director: Nancy J. Epping
Operator: City of Elgin

Open to youth groups and the general public. Day programs. Open every day except Monday. Hours: 12-4 (Memorial Day - Labor Day). Seasonal changes in schedule. Annual budget $50-100,000. 2 Full-time staff. Fees charged for facility use. Newsletter.

Mission: The Elgin Public Museum's intent is to promote an understanding and appreciation of nature, natural sites, other cultures, past and present, and to increase visitors' awareness of the decisions human cultures have made.

Site and Program Features: The Elgin Public Museum is a natural history museum. The Museum, located in a beautiful 120-acre municipal park, houses over 15,000 specimens. The Museum offers a full schedule of events and programs including natural history subject programs, nature hikes to four natural sites, a hands-on Discovery Room, visiting exhibits, educational program series for children, special events, field trips, workshops, and lectures.

Unique Features: Elgin Public Museum provides programming for three off-site natural areas in Elgin as well: (1) Bluff Spring Fen, (2) Trout Park (fen, wild flower) Botanical Area, and (3) Hawthorn Hills (wetland and woodland)

(341)

Evanston Environmental Assoc.

2024 McCormick
Evanston, IL 60201
(708) 864-5181

Director: Linda Lutz
Operator: City of Evanston

Open to youth groups and the general public. Day programs. Open every day except Monday, Sunday. Hours: 9-4:30 Closed on major holidays. Annual budget $100-250,000. 2 Full-time staff. 23 Acres. Newsletter.

Mission: The Evanston Environment Association strives to expand the community's enjoyment and understanding of nature and bring about wise use of natural resources through environmental education for people of all ages.

Site and Program Features: Natural areas: urban forest, beach and dune, access to Lake Michigan.

Program Strengths: Public nature education for children, school curriculum development in environmental education.

Unique Features: Trees and shrubs planted in "natural settings," formal gardens, and informal areas. Prairie and wildflower gardens, bird sanctuary.

(342)

Fullersburg Nature Center

3609 Spring Rd.
Oakbrook, IL 60521
(312) 790-4900

Director: Howard C. Johnson
Contact: Thomas A. Pray, Naturalist Supervisor

Open to youth groups and the general public. Day programs. Open every day. Hours: 9-5. Closed weekends from 11/1-first Sat.Mar. Closed on major holidays. Annual budget $100-250,000. 5 Full-time staff. 206 Acres. Newsletter.

Mission: (1) To develop an understanding of the importance of DuPage County's unique natural environment. (2) To increase public awareness of their natural surroundings, and to the efforts of the Forest Preserve District in maintaining these natural areas. (3) To encourage good attitudes towards the environment, and discourage those that might be detrimental. (4) Once the education process has been accomplished, to provide for a means by which positive action may be taken in the enhancement of the local environment.

(343)

Goose Lake Prairie State Natural Area/ Heidecke State Fish & Wildlife Area

5010 N. Jugtown Rd.
Morris, IL 60450
(815) 942-2899

Director: Joseph J. Nyhoff
Contact: Judi Jackson, Site Interp. Program Coordinator
Operator: Illinois Dept. of Conservation

Open to youth groups and the general public. Day programs. Open every day. Hours: 10-4. Closed on major holidays. 2 Full-time staff. 4500 Acres.

Mission: Goose Lake Prairie is the largest tract of Tall Grass Prairie left in the State of Illinois. Our goal and mission is to help visitors understand the unique role prairie plays in the ecology. There is a self-guided tour that helps visitors recognize what they are seeing. Special programs are available for school and other groups.

Site and Program Features: Goose Lake Prairie offers seven miles of hiking trails and 12 miles of cross-country skiing trails; open to the general public, no fees charged; and programs can be designed to fit specific group needs.

(344)

Iron Oaks Environmental Learning Center

2453 Vollmer Rd.
Olympia Fields, IL 60461
(708) 481-2330

Director: Judy Mann
Operator: Homewood-Flossmore Park District

II

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: Sunrise to Sunset. Seasonal changes in schedule. Closed on major holidays. Annual budget $100-250,000. 3 Full-time staff. 34 Acres. Newsletter.

Mission: To preserve open space for present and future generations to enjoy. To provide a wide range of educational and recreational services for the communities. To develop an awareness of man's natural and built environments.

Site and Program Features: This 34-acre parcel with its diverse ecosystems contained in an oak forest, lowland forest, prairie, and pond/marsh area allows us to offer a wide range of environmental education programs. The Adventure Center (Teams, High Ropes, and Climbing Tower) allows us to offer team building, leadership training, and a challenge to individuals and groups. Off-site trips, such as rock climbing, white water rafting, and caving, are offered to round out the program.

(345)

Isle a la Cache Museum

501 E. Romeo Rd.
Romeoville, IL 60441
(815) 886-1467

Contact: Jack MacRae, Naturalist
Operator: Forest Preserve Dist. of Will County

Open to youth groups and the general public. Day programs. Open every day except Monday. Hours: 10-4. Annual budget more than $1,000,000. 5 Full-time staff. 70 Acres. Fees charged for facility use. Newsletter.

Mission: To help increase the quality of life for all living things, The Forest Preserve District of Will County is dedicated to inspire and nurture an awareness of and appreciation for the natural and cultural environment that will lead to a concern for, and responsible stewardship of, the Earth.

Site and Program Features: The museum staff develops and presents effective, inquiry-based activities concerning the cultural history of northeast Illinois during the late 1700s. The museum presents living history programs focusing on the social and cultural exchanges of Europeans and Native Americans, including a historical fair, the Island Rendezvous, held each year in June.

(346)

Kendall County Outdoor Education Center

13689 Fox Rd.
Yorkville, IL 60560
(708) 553-7108

Director: Keith Tucker
Operator: Kendall County Outdoor Ed. Cooperative

Open to youth groups. Day programs. Open every day except Sunday. Hours: 8:30-2:45 Closed on major holidays. Annual budget $25-50,000. 1 Full-time staff. 2 Acres.

(347)

Kennekuk County Park/Nature Center

RR1, Box 215
Danville, IL 61832
(217) 442-1691

Director: Marilyn F. Campbell
Operator: Vermilion Co. Conservation District

Open to youth groups and the general public. Day and multi-day programs. Open every day. Hours: 8 am - dark. Seasonal changes in schedule. Annual budget $50-100,000. 3 Full-time staff. 2700 Acres. Newsletter.

Mission: To help make our citizens aware of the diversity of life around them, and to help them understand their ties to the plants and animals found there. To foster good conservation attitutdes and encourage visitors to realize their impact on the environment.

Site and Program Features: Great variety of habitats in which to study native flora and fauna and their ecology. Hands-on activities for all ages of students to stimulate interest and encourage conservation ethics.

(348)

Lincoln Memorial Garden & Nature Center

2301 East Lake Dr.
Springfield, IL 62707
(217) 529-1111
Contact: James Matheis, Admin./Naturalist
Operator: Lincoln Memorial Garden Foundation

Open to youth groups and the general public. Conference facilities. Day programs. Open every day except Monday. Hours: 10-4. Closed on major holidays. Annual budget $50-100,000. 1 Full-time staff. 77 Acres. Newsletter.

Mission: The mission of Lincoln Memorial Garden and Nature Center is to maintain, improve and develop the woodland garden established as a living memorial to Abraham Lincoln in keeping with the Jens Jensen's design philosophy for the Garden; and to provide opportunities in environmental education and in the appreciation of nature for all persons.

Site and Program Features: Lincoln Memorial Garden is a 77-acre woodland and prairie garden located along the shore of Lake Springfield devoted entirely to trees, shrubs and flowers native to Illinois. The wetland, woodland and prairie communities are home to many species of native wild animals. Experiential learning is emphasized with all programs offered on nature study, environmental education, appreciation and awareness of nature. Special thematic programs are available for school groups during spring, fall and winter seasons.

Unique Features: 77 acres along the shore of Lake Springfield is devoted to trees, shrubs and flowers native to Illinois. The garden was designed as a living memorial to Abraham Lincoln by Jens Jensen, landscape architect, internationally famous for his naturalistic plantings.

(349)

Lorado Taft Field Campus

Box 299
Oregon, IL 61061
(815) 732-2111
Director: Robert Helmkamp
Contact: Bora Simmons, Dir. of Resident Programs
Operator: Northern Illinios University

Open to youth groups. Conference facilities. Multi-day programs. Open every day. Annual budget $500K-1,000,000. 10 Full-time staff. 145 Acres. Lodging. Newsletter.

Mission: The Lorado Taft Field Campus and the faculty of Outdoor Teacher Education promote the use of settings outside the classroom for learning. Through direct involvement with the environment, an appreciation of, knowledge of, and respect for, the workings of natural systems is fostered. A major goal is to provide undergraduate students, graduate students, inservice teachers, and others with educational responsibilities with the knowledge, skills, and attitudes required for effectively using outdoor environments in teaching.

Site and Program Features: The Taft Campus borders on the Rock River and contains a variety of terrain including heavily wooded areas, open fields, and ravines. Resident outdoor education programs serving many school systems in northern Illinois, graduate courses leading to a master's in Outdoor Education, and a busy schedule of conferences and workshops are all conducted from the site.

Unique Features: In addition to its rich natural history, the Taft Campus has a fascinating human past. From 1898 to 1942, it was the site of the Eagle's Nest Art Colony and several of the buildings date back to that period.

(350)

McHenry County Conservation Dist.

6512 Harts Rd.
Ringwood, IL 60072
(815) 678-4361
Director: Don Schellhaas
Contact: John Shiel, Education Services

Open to youth groups and the general public. Open every day. Hours: 8-sunset Annual budget $100-250,000. 4 Full-time staff. 3000 Acres. Camping. Newsletter.

Mission: The Education Dept. of MCCD facilitates educational use of a system of 10 + conservation sites in the county (without a built "center"), with emphasis on appreciation of local natural and cultural heritage, and on using that heritage for a healthy future environment.

Site and Program Features: MCCD's scattered sites provide wide variety in community types and glacial landforms; large total acreage; and high diversity in recreational opportunities. The agency has a bold, active land management and restoration policy that forms a basis for connecting natural heritage with present and future human decision making.

(351)

Mississippi River Visitor Center

Clock Tower Bldg.
Rock Island, IL 61201
(309) 788-6361 Ext. 338
Director: Lester Wadzinski
Contact: Steve Vacek, Lead Park Ranger
Operator: U.S. Army Corps of Engineers

Open to youth groups and the general public. Day programs. Open every day. Hours: Winter 12-4; Spring/Fall 9-5; Summer 9-9. Closed mid December - early February. Annual budget $100-250,000. 1 Full-time staff. 10 Acres.

Mission: (1) To explain the Corps' role in developing and maintaining navigation on the Upper Mississippi River; (2) to explain the operation of a lock and dam; (3) to explain the historical significance of the Rock Island rapids; (4) to foster an increased safety awareness in the visitors; and (5) to instill an environmental ethic in the visiting public.

Site and Program Features: The Mississippi River Visitor Center is located on the west end of Arsenal Island, overlooking Locks and Dam #15. Visitors can view the operation of a lock and dam and learn more about navigation activities on the Upper Mississippi River. Corps of Engineer Park Rangers are available to assist visitors.

(352)

North Park Village Nature Center

5801 N. Pulaski Rd.
Chicago, IL 60646
(312) 583-3714
Contact: Laurel M. Ross, Naturalist
Operator: City of Chicago

Open to youth groups and the general public. Day programs. Open every day. Hours: 11-3 Closed on major holidays. Annual budget $50-100,000. 1 Full-time staff. 156 Acres. Newsletter.

Mission: To maintain, enhance, and protect natural processes which will allow the continuance of national selection within and around the nature center. To provide public opportunities for observation of nature and for education on nature and environmental issues.

Site and Program Features: North Park Village is located on the former site of the Chicago Metropolitan Tuberculosis Sanitarium, which closed in 1974. Many historic buildings remain, as well as two nature preserves which are used for education. A prairie and savannah restoration are underway. A pond and marsh area support a wide variety of wildlife, including many species of nesting birds. A unique relationship exists between the City of Chicago, which owns the land, and open Lands Corp. which holds a 75-year conservation easement on it.

Unique Features: Prairie and savannah restoration sites.

(353)

Oak Park Conservatory

617 Garfield
Oak Park, IL 60304
(312) 386-4700
Director: John Seaton
Operator: Parks & Recreation Dist. of Oak Park

PARKS&
RECREATION
OF OAK PARK

Open to youth groups and the general public. Day programs. Open every day. Hours: Mon 2-4; T-Sun 10-4. Open some evenings, call for information. Annual budget $100-250,000. 2 Full-time staff. 1 Acre. Newsletter.

Mission: The purpose of the Oak Park Conservatory is: to introduce urban residents to the beauty and variety of the plant kingdom; to encourage appreciation of plants for their economic value and significance in the environment; and to provide horticultural information.

Site and Program Features: Visitors can view plants from tropic rain forests, deserts and Chicago prairies all in one place. We offer day nature classes for children ages 5-12 and evening adult classes on many subjects including growing wild flowers. We are a source for garden grown seeds and plants of native Chicagoland species.

Unique Features: The Oak Park Conservatory is 8,000 sq.ft. divided into 3 rooms. The tropic room depicts a tropical rain forest with waterfall, lagoon and tropical animal noises. The desert room contains cacti and succulents from around the world. The fern room doubles as a place for seasonal flower shows. Outdoor gardens include perennial, herb and prairie garden.

(354)

Oakdale Nature Preserve

1200 Park Lane Dr.
Freeport, IL 61032
(815) 235-2812
Director: Rick Pyle
Contact: Peg Conley Ehlbeck, Supervisor/Naturalist
Operator: Freeport Park District

Open to youth groups and the general public. Conference facilities. Day and multi-day programs. Open every day except Sunday. Hours: M-F 9-5; Sat. 10-2. Annual budget $25-50,000. 1 Full-time staff. 100 Acres. Lodging.

(355)

Pilcher Park Nature Center

Joliet Park District
3000 W. Jefferson
Joliet, IL 60435
(815) 741-7277
Contact: Jerrold W. Olson, Chief Naturalist

Open every day. Hours: M-F 8-4:30; Sat.-Sun. 10-4:30 Annual budget $50-100,000. 1 Full-time staff. 780 Acres. Newsletter.

Unique Features: Nature areas include a maple-oak forest of 327 acres.

(356)

Plum Creek Nature Center

RR #2, Box 241
Beecher, IL 60401
(312) 946-2216
Contact: Emily Thiel, Naturalist
Operator: Forest Preserve District of Will County

Open to youth groups and the general public. Day programs. Open every day except Monday. Hours: 10:00-4:00. Annual budget more than $1,000,000. 5 Full-time staff. 519 Acres. Camping. Fees charged for facility use. Newsletter.

Mission: To help increase the quality of life for all living things, the Forest Preserve District of Will County is dedicated to inspire and nurture an awareness of and appreciation of the natural and cultural environment that will lead to a concern for, and responsible stewardship of, the Earth.

Site and Program Features: The nature center staff develops and presents hands-on, affective and holistic environmental programs. Those programs are specifically written for an age group or for family participation including nature walks, campfire programs and an environmental fair, Earth Day Renewed, held each year in April.

(357)

Anita Purves Nature Center

1505 N. Broadway
Urbana, IL 61801
(217) 384-4062
Director: Robin Hall
Contact: Judith K. Miller, Environ. Program Coordin.
Operator: Urbana Park District

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: M-Sat 8-12, 1-5; Sun 1-4—Sept-June M-F 8-12, 1-5; Sat 8-12—June-Sept. Closed on major holidays. Annual budget $100-250,000. 2 Full-time staff. 63 Acres. Fees charged for facility use. Newsletter.

Mission: It is the mission of the Urbana Park District to: (1) improve the quality of its citizens through a responsive, efficient, and creative park and recreation system; (2) pursue excellence in a variety of programs, parks and special facilities that contribute to the attractiveness of neighborhoods, conservation of the environment and the social and economic health of the community.

Site and Program Features: The Anita Purves Nature Center and adjacent Busey Woods provide a natural resource to individuals, families and school groups interested in learning about the out of doors. Center exhibits highlight a variety of animals, birds and natural phenomena. Trained naturalists are available and classes designed for all age groups and interests are featured. An environmental resource library is also housed in the nature center.

"It's for supper!" Learning appropriate outdoor recreation skills at an early age can result in a lifetime of enjoyment. Photo courtesy of Rock Springs Center (see p.100).

(358)

Red Oak Nature Center

2342 S. River
Batavia, IL 60510
(312) 897-1808
Director: Jim Kenney

Open to youth groups and the general public. Day programs. Open every day. Hours: M-F 9-4:30; Sat.-Sun. 10-5. Closed on major holidays. Annual budget $50-100,000. 1 Full-time staff. 30 Acres.

Mission: The main goal of Red Oak Nature Center is to promote a positive attitude towards the environment. It is a place to learn, experience, and appreciate our natural world. Local school, scout and special interest groups are encouraged to visit and discover the wonders of nature. "Drop in" visitation by the general public is always welcomed.

Site and Program Features: In the nature center, visitors will find a small audio-visual room; a museum concerning sun, air, water and soil; a visible bee hive and ant farm; many "hands-on" exhibits; and games. Also, a separate room has injured wildlife on display. Three self- guided, wood-chipped trails lead hikers through various habitats and to special features like our cave. A large wooden observation deck affords panoramic views of the Fox River. Picnic and washroom facilities are available.

A one-room schoolhouse serves children today as a nature center. Photo courtesy of Little Red School House

(359)

Red Schoolhouse Nature Center

9800 S. 104th Ave.
Willow Springs, IL 60480
(312) 839-6897
Director: Peter Dring
Operator: Cook County Forest Preserve District

Open to youth groups and the general public. Day programs. Open every day except Friday. Hours: M-Th 8-4:30; Sat-Sun 8-5 Seasonal changes in schedule. Annual budget $250-500,000. 4 Full-time staff. 500 Acres. Newsletter.

Mission: Our mission is to provide a pleasant, educational and entertaining experience for the largest number of visitors possible. Our goal is diversity–a diversity of exhibits, including all of nature's phenomena, and a diversity of habitats for visitors to learn and enjoy local natural history.

Site and Program Features: We have one of the most beautiful sites in the midwest, located on 14,000 acres of glacial moraine with a variety of both plants and animals.

Unique Features: Located on glacial island.

Rock Springs Center for Environmental Discovery

(360)

River Trail Nature Center

3120 N. Milwaukee Ave.
Northbrook, IL 60062
(312) 824-8360
Director: Chet B. Ryndak
Operator: Forest Preserve of Cook County

Open to youth groups and the general public. Conference facilities. Day programs. Open every day except Friday. Hours: 8-5 Winter 8-4. Closed on major holidays. Annual budget $100-250,000. 7 Full-time staff. 350 Acres. Newsletter.

Site and Program Features: Locate in the Des Plaines River Valley, the River Trail Nature Center introduces visitors to our present day wilderness protected as forest preserves around Chicago. Short self-guiding trails begin from and return to the nature center. A large museum building houses various educational exhibits which change with the seasons of the year.

(361)

Riverwoods Christian Center

35W701 Riverwoods Lane
St. Charles, IL 60174
(708) 584-2222
Director: Rev. A. Danhelka
Contact: Rhea, Dev. Director
Operator: Riverwoods Christian Center Board of Dir

Multi-day programs. Open every day. Seasonal changes in schedule. Annual budget $500K-1,000,000. 10 Full-time staff. 85 Acres. Lodging. Camping. Newsletter.

Mission: Riverwoods Christian Center's master objective is to share the wholistic Gospel of Jesus Christ with the economically disadvantaged children and families of the Fox River Valley through camp and community services.

Site and Program Features: Free summer camp for locally needy children, ages 6 to 18, followed up by year-round clubs in their communities and Christian social workers.

Unique Features: Bluff, river, woods.

(362)

Rock Springs Center for Environmental Discovery

1495 Brozio Lane
Decatur, IL 62521
(217) 423-7708
Director: Preston Schellbach
Contact: Daniel W. Sanner, Program Services Manager
Operator: Macon County Conservation District

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: Mon-Sat 9-4:30; Sun 1-4:30 Summer: Fri & Sat 6-8; Sun 1-6. Closed on major holidays. Annual budget $250-500,000. 6 Full-time staff. 1343 Acres. Newsletter.

Mission: The Rock Springs Center uses the biotic communities of nature as interpretive examples in order to illustrate and promote a geobiotic ethnic which recognizes the importance of man's natural requirements for survival in addition to his economic and social needs.

Site and Program Features: The 1,343-acre site includes a new $956,000 Environmental Education Complex with a 17,020 sq. ft. Visitor Center. Future plans include an auditorium wing, observation tower, planetarium, and resident camp. A strong volunteer program supplements staff efforts. Log house and farmstead are restored to their 1850s appearance for living-history interpretation of environmental changes in the prairie ecosystem. Annual income in perpetuity from a charitable trust supplements grants, contributions and local property tax income. Total Conservation District acreage available for programming and research: 3,041.

(363)

Edward L. Ryerson Conservation Area

21950 N. Riverwoods Rd.
Deerfield, IL 60015
(312) 948-7750
Director: Rebecca Goldberg
Contact: Nan Buckardt, Site Manager
Operator: Lake County Forest Preserve District

Open to youth groups and the general public. Day programs. Open every day. Hours: 8:30-5:00. Annual budget $250-500,000. 5 Full-time staff. 550 Acres. Newsletter.

Mission: The preserve's goal is preservation and environmental education. These goals are met by using the natural environment as a teaching tool.

Site and Program Features: The area was once described as one of the premier forests of the Chicago area. The preserve is home to over 460 varieties of plants and dozens of animal species, some of which are State Endangered. The high quality of the area qualifies us to be part of the Illinois Nature Preserve System, which offers protection at the state level.

Unique Features: The area is an exceptional example of sugar maple/basswood mesic forest. There are five individual habitat types.

(364)

Sand Ridge Nature Center

15890 Paxton
South Holland, IL 60473
(312) 868-0606

Director: Edward Lace
Contact: Robert Munz, Naturalist
Operator: Forest Preserve District of Cook County

Open to youth groups and the general public. Day programs. Open every day. Hours: 9-4:30 Nov. 1-March 1 - 9-4. 4 Full-time staff. 235 Acres.

Mission: We see our goal at Sand Ridge to stimulate our visitors to [illegible] all their senses to become aware of the many intertwining aspects of the natural world of which they are an intricate member—be it at our center or at home in their own backyard.

Site and Program Features: Our interesting geology, as well as the forests, prairies and wetlands of Sand Ridge, provides us a rich diversity of habitats to interpret, Individuals and families are encouraged to join us on Saturday programs, Sunday audio-visual presentations, night hikes, bird walks, campfire programs and off-site hikes. Children's workshops are offered during the summer and winter.

Unique Features: A ridge of beach and dune sand is located on the north end of our property. This sand ridge was formed 8,000 years ago when Lake Michigan was at a much higher level.

(365)

School District 54 Nature Center

320 W. Wise Rd.
Schaumburg, IL 60193-4097
(312) 307-2125

Director: James A. Johnson
Operator: Community Consolidated School Dist. 54

Open to youth groups and the general public. Day programs. Open every day except Saturday, Sunday. Hours: 8-4. Closed on major holidays. Annual budget $50-100,000. 1 Full-time staff. 12 Acres. Newsletter.

Mission: To become aware of one's natural surroundings and their interactions. To become motivated to protect one's natural surroundings. To provide environmental instruction for community groups. To become aware of local resource problems. To have fun in an outdoor setting.

Site and Program Features: School district owned and operated allows direct tie-in to school curriculum. The district's 24 elementary buildings participate in on-site visits during a science or social studies unit of study.

(366)

Severson Dells Environmental Education Center

8786 Montague Rd.
Rockford, IL 61102
(815) 335-2915

Director: John Alesandrini
Operator: Winnebago County Forest Preserve Dist.

Open to youth groups and the general public. Day programs. Open every day. Hours: M-Sat. 8:00-4:30; Sun. 1-5. Closed on major holidays. Annual budget $50-100,000. 1 Full-time staff. 370 Acres. Newsletter.

Mission: Programs to promote awareness, understanding and ethical commitment to preservation of our natural heritage, in particular, our land resources—locally and beyond!

Site and Program Features: Severson Dells Forest Preserve is a unique combination of several distinct natural communities and a 160-acre operating farm–allowing the potential to interpret both major aspects of rural land: open space/natural areas and agriculture/soil and water conservation.

Unique Features: The Center is located at Severson Dells Forest Preserve, characterized by an unusual diversity of natural communities and three small "dells" - glacial remnant limestone (dolomite) outcroppings along the stream.

(367)

John G. Shedd Aquarium

1200 Lake Shore Drive
Chicago, IL 60605
(312) 939-2426

Director: William P. Braker
Contact: Linda Wilson, Curator of Education

Open to youth groups and the general public. Day and multi-day programs. Open every day. Hours: 9-5; March-October 10-5. Annual budget more than $1,000,000. 5 Full-time staff. Newsletter.

Mission: In 1926, the Aquarium was set up to maintain a display of all kinds of marine life for educational purposes. Today, it accomplishes that goal, but also provides a way for visitors to make contact with marine life, and to discover the relationships among wild animals, wilderness, and themselves.

Site and Program Features: The Aquarium displays an outstanding collection of over 8,000 aquatic animals from all over the world. Its classic marble building with art deco features has been declared a historic site. Its location on the shores of Lake Michigan highlights the aquatic history of the city and the importance of Lake Michigan to the city.

(368)

Spring Brook Nature Center

130 Forest Ave.
Itasca, IL 60143
(312) 733-5572
Director: Fred Maier
Contact: Kristine Frydendall, Program Aide
Operator: Village of Itasca

Open to youth groups and the general public. Day programs. Open every day except Monday. Hours: Summer: 11:30-5 Rest of year: 1-5 Closed on major holidays. Annual budget $100-250,000. 4 Full-time staff. 55 Acres.

Mission: Spring Brook Nature Center's primary mission is to restore our grounds to a presettlement condition, preserve and interpret this shared heritage and to foster an improved sense of stewardship for the land.

Site and Program Features: Our site features a 20-acre native marsh. With a boardwalk and low trails, visitors can explore the wetland at several different levels. Though close to the city of Chicago, the grounds are filled with a large diversity of wildlife from red-tailed hawks to yellow-headed blackbirds.

(369)

Spring Valley Nature Sanctuary

1111 E. Schaumburg Rd.
Schaumburg, IL 60194
(312) 980-2100
Director: Thomas Bernahl
Operator: Schaumburg Park District

Open to youth groups and the general public. Day programs. Open every day. Hours: Visitor Center 9-5. Groundsand trails - 8-sunset. Annual budget $250-500,000. 4 Full-time staff. 135 Acres. Newsletter.

Mission: S.V.N.S.'s purpose is to provide the residents of a rapidly changing urban area with a place to reflect upon and learn about the natural world and how we relate to it. In addition, Spring Valley will provide a sanctuary for the reintroduction and preservation of native plants and animals within this urbanized environment.

Site and Program Features: Spring Valley is 135 acres containing a diverse collection of habitats including lowland forest, wet meadow, marsh, pond stream, restored prairie, and fallow field. Three and one-half miles of trails, most of them handicapped accessible, connect a passive solar, earth-sheltered visitor center, a 1928 log cabin, and an 1850s historic farm-site. Four seasonal special events attract large numbers of families to Spring Valley and serve as a draw for our other environmental education programs. Programs and exhibits in the visitor center highlight the diversity of habitats at Spring Valley and seek to increase awareness of the interconnectedness of each habitat.

(370)

Alexander Stillman Nature Center

33 West Penny Rd.
S. Barrington, IL 60010
(312) 381-6201
Director: Ann Sherman
Contact: Susan Allman, Education Coordinator

Open to youth groups and the general public. Day programs. Hours: by advance reservation. Annual budget less than $10,000. 100 Acres. Newsletter.

Mission: The Alexander Stillman Nature Center has been established to create a setting for an environmental education program that provides hands-on activities for students and teachers designed to teach ecological concepts and a responsible environmental ethic.

Site and Program Features: The Alexander Stillman Nature Center is located on 100 acres of woods, lake and meadow. The Center sponsors half-day and one-day programs for children in our outdoor classroom. Scout troops, school groups and other organizations may schedule time for guided nature study activities. Field trips and classes for adults are also offered.

(371)

University of Illinois Museum of Natural History

1301 W. Green St.
Urbana, IL 61801
(217) 333-2517
Director: Thomas Uzzell

Open to youth groups and the general public. Day programs. Open every day. Hours: M-Sat 9-5; Sun 2-5. Annual budget $100-250,000. 1 Full-time staff. Newsletter.

Mission: Research in evolution and systematics, especially of mollusks; amphibians and reptiles; and mammals; support for university teaching in anthropology, geology and biology; public education through displays and programs.

Site and Program Features: Only comprehensive displays of natural history in east-central Illinois; three research collections ranked in top five of university collections nationwide.

(372)

Vermilion County Conservation District

Forest Glen Preserve
RR 1, Box 495A
Westville, IL 61883
(217) 662-2142
Director: Marilyn F. Campbell

Open to youth groups and the general public. Day and multi-day programs. Open every day except Saturday, Sunday. Hours: 8-4:30. Seasonal changes in schedule. 6 Full-time staff. 1800 Acres. Camping. Newsletter.

Mission: To make our young people and other visitors aware of their place in the environment, and their ties to the native flora and fauna. To help them learn to appreciate the great variety of living forms, and the importance of working together to insure that all can survive.

Site and Program Features: Converging ecosystems that allow the study of prairies, beech-maple and oak-hickory woodlands, ponds and streams all within the preserve. Year around educational programs with quality, hands-on learning opportunities.

Unique Features Beautiful beech maple woodlands with deep ravines, bordered by restored tallgrass prairie.

(373)

Washington Park Botanical Garden

Fayette & Chatham Rd., Box 5052
Springfield, IL 62705
(217) 787-2540
Director: Inez Goodzey Berg
Operator: Springfield Park District

washington park botanical garden

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: M-F 12-4; Sat-Sun 12-5. Annual budget $100-250,000. 2 Full-time staff. 20 Acres. Newsletter.

Mission: The Washington Park Botanical Garden serves as a public education and recreation facility, displaying nature's beauty and variety for enjoyment, observation and study by the visiting public. In this manner we seek to make our audience more aware of the importance of plants to our environment in this era of shrinking world resources.

Site and Program Features: The garden occupies 20 acres of historic Washington Park, encompassing hilly terrain covered with stands of native white oak and mature sugar maple. Over 150 species of hardy trees fill the grounds which also include a public conservatory of tropical plants, a formal rose garden and large carillon.

(374)

White Pines Ranch Outdoor Education Center

3581 Pines Rd.
Oregon, IL 61061
(815) 732-7923
Director: Elizabeth Hammerman
Operator: Richard Little

Open to youth groups. Multi-day programs. Open every day except Saturday, Sunday. Season changes in schedule. 6 Full-time staff. 300 Acres. Lodging. Fees charged for facility use.

Mission: To assist teachers in providing resident outdoor education programs that meet their specific instructional objectives; to provide assistance with teaching; to provide help with planning and evaluating; to train teachers to teach in the outdoors.

Site and Program Features: The site has a varied terrain–dolomite outcrop with Ordovician fossils and unique sandstone canyon with primitive and rare plants; a working farm; old cemetery; and natural springs. The program is well organized and high quality; food is good and plentiful; staff are helpful and friendly; and children participate in horseback riding as part of the program.

(375)

Wildlife Prairie Park

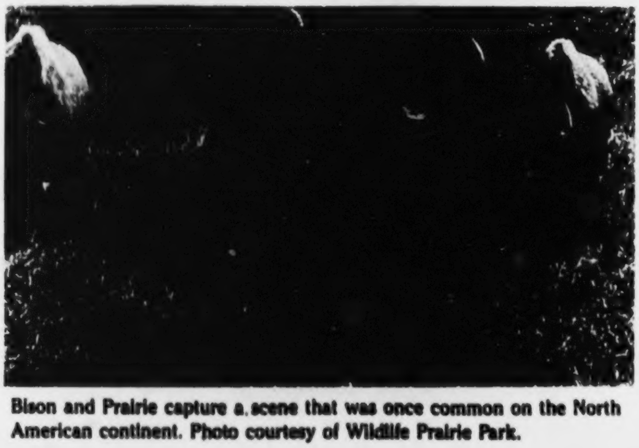
RR 2
Peoria, IL 61615
(309) 676-0998
Director: Jane Benjamin
Contact: Cheryl Miller, Marketing Director
Operator: Forest Park Foundation

Wildlife Prairie Park

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: M-F 10-6:30; Sat-Sun. 9-6:30 Seasonal changes in schedule. 1855 Acres. Lodging. Newsletter.

Mission: At Wildlife Prairie Park we have animals indigenous to Illinois in natural habitats. Bobcats, bears, cougars, bison, elk and more move freely throughout their habitats. We stress conservation, education, and recreation. Our naturalists give programs daily to inform the public about wildlife and native flora and fauna.

Site and Program Features: We have programs tailored to all different age groups. We try to educate people about conservation. The park is built on a renovated strip mine. We show how land can be reclaimed and how important animal survival is. Our orphan animal program, in which we show baby animals whose mothers have been killed, is especially well received.



Bison and Prairie capture a scene that was once common on the North American continent. Photo courtesy of Wildlife Prairie Park.

(376)

Willowbrook Wildlife Haven

525 S. Park Blvd.
Glen Ellyn, IL 60137
(312) 790-4900 FAX: (312) 790-1071
Director: Marcy Rogge
Operator: Forest Preserve District of DuPage Cty.

Open to youth groups and the general public. Day programs. Open every day. Hours: 9-5 Closed on major holidays. Annual budget $250-500,000. 7 Full-time staff. 46 Acres. Newsletter.

Mission: The Willowbrook Wildlife Haven is a major wildlife rehabilitation and education center maintained and operated by the Forest Preserve District of DuPage County. The Wildlife Haven serves to provide care and medical treatment for injured and orphaned native wildlife that have been impacted by man's activities, and provides learning experiences for DuPage County residents to help them live in closer harmony with native wildlife.

Site and Program Features: One strength of our program is an active volunteer program. Special features include indoor and outdoor exhibits including Backyard Wildlife Landscape Exhibit, interpretive nature trail, museum discovery room, and special programs for groups of all ages (Birds of Prey, Using the Senses, Lecture Series, Field Trips). Willowbrook also offers a Wildlife Hotline which answers approximately 15,000 calls a year.

(377)

Winn-Boone Forest Preserve

Winnebago County Forest Pres. Dist.
5500 Northrock Dr.
Rockford, IL 61103
(815) 877-6100
Director: Mark Q. Keister
Contact: David Kostka, Dir. of Environ. Ed.
Operator: Winnebago County Forest Preserve

Open to youth groups and the general public. Day programs. Open every day except Saturday, Sunday. Hours: 8-3 Closed in summer. Closed on major holidays. Annual budget $50-100,000. 2 Part-time staff. 400 Acres. Camping.

Mission: We teach environmental and natural science units to elementary school classes, relating these units as closely as possible with what these children are studying in their classrooms. We encourage year-long environmental education efforts on the part of local teachers, and make materials available for this task.

Site and Program Features: We have a picturesque limestone quarry, rich in fossils, which we use for geology and paleontology units. Within our large tract of floodplain forest, we have a large grove of black maples, which we tap annually, using this asset for units on photosynthesis and plant food making. We also have a nature preserve including an oxbow lake, upland forest, and many wildflowers.

Unique Features: Oxbow Lake, floodplain forest nature preserve.

(378)

Asherwood Environmental Learning Center

RR 3 Box 214
Wabash, IN 46992
(219) 563-8148
Director: Jerry Sweeten
Operator: Marion Community Schools

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: 7:30 am - 4:30 pm Seasonal changes in schedule. Annual budget $25-50,000. 1 Full-time staff. 160 Acres. Camping. Fees charged for facility use.

Mission: The Marion Community Schools Asherwood Environmental Education Program provides students experiential learning through interdisciplinary educational activities. These activities provide students an opportunity to apply classroom knowledge while learning scientific/environmental concepts, developing important skills, and gaining an understanding of our environment. The Asherwood program capitalizes upon a student's natural curiosity in the out-of-doors to perpetuate a positive attitude toward school and learning.

Site and Program Features: Asherwood is a 160-acre beech-maple forest. The woodland, along with Asher Creek, adjacent wet land areas, and 3 ponds, provides a variety of habitats for plants and animals. Management units include forest, wildlife, tall grass prairie, soil and water conservation, and a state nature preserve. Asherwood provides for special projects in the areas of bird banding, raptor rehabilitation, forestry, plant surveys, wildlife surveys, photography, maple syrup making and bee keeping.

Some "down time" during a residential program allows for introspection, relaxation or pursuit of an individual interest. Photo courtesy of Bradford Woods Nature Center.

(379)

Bendix Woods

St. Joseph County Parks & Rec.
32132 SR #2
New Carlisle, IN 46552
(219) 654-3155
Director: Billy C. Hankins
Contact: Thomas D. Blodgett, Chief of Interp. Services

Open to youth groups and the general public. Day programs. Hours: M-F 8-12 & 2-4:30 Summer: Open weekends 12:30-4:30 Closed on major holidays. 3 Full-time staff. 195 Acres.

Mission: To provide uniquely attuned, high quality programs and educational services that are sensitive to the wise use of our natural resources.

Site and Program Features: Our programs focus on the natural and cultural history of the Michiana region. Programs are primarily for elementary school groups, pre-schools, and private groups and organizations. Special interpretive public programs include Sugar Camp Days, Sweet Sorghum Celebration, and Baubaugo Station Rendezvous.

Unique Features: Our 27-acre state dedicated nature preserve features a beech-maple forest; using Swenk's Wilhelm (Morton Arboretum) rating system for natural areas of the Chicago region, this preserve has rating of 69.5 (35-100's scale).

(380)

Bradford Woods Outdoor Center

5040 State Rd. 67N
Martinsville, IN 46151
(812) 855-0227
Director: Gary M. Robb
Operator: Indiana University

BRADFORD WOODS

- OUTDOOR EDUCATION
- CAMPING
- LEADERSHIP TRAINING

Open to youth groups. Conference facilities. Multi-day programs. Open every day. Annual budget $500K-1,000,000. 20 Full-time staff. 2400 Acres. Lodging. Camping. Fees charged for facility use. Newsletter.

Mission: Bradford Woods focuses on residential outdoor education, challenge education, summer camping programs and the education and training of leaders for outdoor-based programs. Internships, outdoor instructor training and conferences and workshops are offered. Programs are year around and can be designed to accommodate individual school or agency goals. Facilities are also available for group rental.

Site and Program Features: The 2400 acres includes 4 separate and self-contained facilities and learning centers. Two lakes, a river and about 1,800 acres of natural rolling woodlands provide diverse opportunities for environmental study and individual growth. Most facilities and trails have been designed to accommodate and promote use by persons with disabilities.

(381)

Camp Tecumseh - YMCA

RR 1, Box 311
Brookston, IN 47923
(317) 564-2898
Director: Richard G. Marsh
Contact: Susan Jones, Outdoor Ed. Dir.

Open to youth groups and the general public. Conference facilities. Multi-day programs. Open every day. Seasonal changes in schedule. Annual budget $500K-1,000,000. 12 Full-time staff. 300 Acres. Lodging. Fees charged for facility use. Newsletter.

Mission: The Camp Tecumseh YMCA Mission is to help each camp guest: (1) develop self-confidence, self-respect and an appreciation of their own worth as individuals created in God's image; (2) develop a faith for daily living based upon the teachings of Jesus Christ, that they may thereby be helped in achieving their highest potential as children of God; (3) grow as responsible members of their families and citizens of their communities; and (4) appreciate the beauty, diversity, and interdependence of all forms of life and all resources which God has provided in this world, and to develop an ethical basis for guiding the relationships of mankind with the rest of God's natural community.

Site and Program Features: Camp Tecumseh is located just 20 miles north of Lafayette on the banks of the historical Tippicanoe River. With our comfortable cabins and meeting rooms, excellent staff and the addition of our new 8 1/2-acre lake and indoor equestrian center, Camp Tecumseh provides well-rounded programs for school groups, youth and adult retreats.

(382)

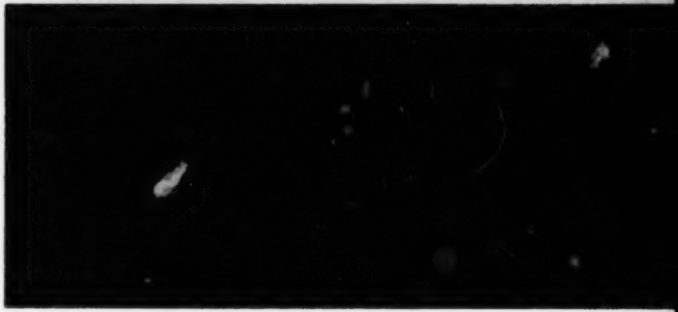
The Children's Museum of Indianapolis

3000 N. Meridian St.
Indianapolis, IN 46208
(317) 924-5431 FAX: (317) 921-4019
Director: Peter V. Sterling
Contact: Karol L. Bartlett, Educator/Curator Nat.Sci.

Open to youth groups and the general public. Conference facilities. Day programs. Open every day except Monday. Hours: T-Sat 10-5; Sun 12-5 Open Monday during summer. Newsletter.

Mission: Our mission is to enrich children's lives by creating exhibits and experiences to share knowledge, kindle curiosity and affirm the joys of lifelong learning, by welcoming each visitor as a partner in discovery, and by sharing our artifacts and staff as we facilitate learning by seeking to animate the past, understand the present, and prepare for the future.

Site and Program Features: The world's largest children's museum features nine galleries focusing on natural science, history, world cultures, physics, art and learning. Among the highlights are a 30-foot-high water clock, a simulated walk-through cave, live animals, a turn-of-the-century carousel, and the SpaceQuest Planetarium. Exhibits are supplemented by almost 4,000 programs annually.



Canoeing is a little trickier than it looks, but they'll do just fine! Photo courtesy of Bradford Woods Nature Center (see p.105).

(383)

Christy Woods

Dept. of Biology
Ball State University
Muncie, IN 47304
(317) 285-8838
Director: Dr. Carl E. Warnes
Contact: Allen L. Winters, Manager, Fields Areas
Operator: Ball State University/Dept. of Biology

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: M-F 7:30-4:30; Sat. 8:00-4:30; Sun 1-5 Closed Sundays from November to March. Closed on major holidays. Annual budget $50-100,000. 3 Full-time staff. 17 Acres.

Mission: Christy Woods is first and foremost an educational facility. Our main purpose is to enhance and support the outdoor education of all Ball State and area students. We hope to foster an awareness and appreciation of nature and the environment in the urban student, who may not otherwise have any exposure to such an experience.

Site and Program Features: Christy woods is located on the west side of the Ball State University Campus. This proximity is unique compared to other academic facilities nationwide. We also have two greenhouses which provide a wide variety of living materials for study by the university and area sutdents. One greenhouse houses the Wheeler Orchid Collection, one of the largest collections in the nation and a leader in orchid research.

(384)

Clifty Falls Nature Center

1501 Green Rd.
Madison, IN 47250
(812) 265-1331
Director: Darrell Skinner
Contact: Richard Davis, Naturalist
Operator: State of Indiana

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: May-Oct., 8:30-4:00 Annual budget $25-50,000. 1 Full-time staff. 1360 Acres. Lodging. Camping. Fees charged for facility use.

Mission: Clifty Falls State Park Nature Center exists to provide quality programs regarding natural features of the park and surrounding area to park visitors with a goal of enhancing visitor awareness of and appreciation for the natural environment.

Site and Program Features: Site features include topics of geologic interest, i.e., waterfalls, cliffs, bedrock exposures, fossil beds, and the Ohio River Valley. Facility features include state park inn and campground, swimming pool, 12 miles of hiking trails, and close proximity to nationally acclaimed historic community–Madison, Indiana (preservation of historic architecture).

(385)

Eagle Creek Nature Center and Arboretum

6515 DeLong Rd.
Indianapolis, IN 46278
(317) 291-5618

Director: Harry H. Feldman
Contact: Melissa Hartley, Admin. Asst.
Operator: Indianapolis Dept. of Parks & Rec.

> Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: M-F 8-5; Sat.-Sun. 9-5 Seasonal changes in schedule. Annual budget $50-100,000. 2 Full-time staff. 6205 Acres. Fees charged for facility use. Newsletter.

Mission: To bring land, water and people together; and through purposeful programming, provide individuals of all ages with the opportunities to enjoy, understand, and, in turn, appreciate the world we share with all other life. To provide a wide range of programs and services conducted on a year-round basis, endeavoring to improve the quality of public use of parks and natural areas, while at the same time, enriching the lives of its citizenry. To counter-balance urban-oriented lifestyles with an environmental ethic that will bring positive change in the attitudes and behavior patterns of people.

Site and Program Features: The site is a 38-acre arboretum, and remnants of historic beech-maple forest, facing the 1,200-acre lake contained within the 4,000-acre forest-scenic park and nature preserve for a total of 5,200 land and water acreage. The program provides two major features: (1) the operation conducted at the nature center complex and (2) the operation conducted as The Outreach Program throughout the county and environs.

(386)

Fox Island County Park & Preserve

7324 Yohne Rd.
Ft. Wayne, IN 46809
(219) 747-7846

Director: Amy DeBrosse
Operator: Allen County Park Board

> Open to youth groups and the general public. Day and multi-day programs. Open every day except Monday. Hours: 9 am - 8 pm. Annual budget $50-100,000. 2 Full-time staff. 605 Acres. Camping.

Mission: We hope to build awareness, knowledge and a sense of stewardship of the natural environment in our visitors. As well as an environmental center, we are a park and provide for active and passive recreation.

Site and Program Features: Fox Island's 605 acres contain a 270-acre nature preserve, wind-deposited sand dunes, oak-hickory forest, pine plantations, wetlands, old fields, 6 miles of hiking trails, and a 6 1/2-acre lake. Nature-oriented programs and hikes are offered by a resident naturalist and a corps of trained volunteers.

(387)

Mary Gray Bird Sanctuary of Indiana

Audubon Society Inc.
R. 6, Box 165
Connersville, IN 47331
(317) 825-9788

Director: Denzel Barricklow

> Open to youth groups and the general public. Conference facilities. Day and multi-day programs. Open every day. Hours: Daylight to dark Annual budget $10-25,000. 660 Acres. Camping. Fees charged for facility use. Newsletter.

Mission: Our goal is education. Teacher training workshops (Education in the Out-of-Doors) are held. Outdoor Ed. Summer School is offered. A bird hot-line number has been established –317-259-0911. Given to I.A.S. in the late 1940s by Congress and Mrs. Finley Gray, the 650 + acres offers sanctuary to man and beast alike.

Site and Program Features: Located equally between Indianapolis, Cincinnati and Dayton, it provides many with the opportunity to stroll, hike, birdwatch, meditate or any of a variety of nature-type activities. The building is open upon request.

Unique Features: Our site features glacial deposits-fossil beds and 400 acres of woods.

Soon, a ride on a rubber raft through a stretch of wild and scenic river will become an indelible part of their life-experiences. Photo by Ray Egan for Natural Science Solar Center.

(388)

Huntington College

2303 College Ave.
Huntington, IN 46750
(219) 356-6000

Director: Dr. Randall Barnes and Dr. John G. Green
Operates Facilities at: Thornhill Nature Preserve, Pinkerton Wildlife Area and Upper Wasash Basin Regional Resource Center.

> Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: 8-6; Sat. & Sun. by arrangement. Annual budget less than $10,000. 4 Part-time staff

Mission: Our facility is primarily used for outdoor education of college and public school students.

Site and Program Features: We have a learning center at Thornhill site and on-site naturalist., wildlife habitat, undisturbed at Pinkerton site, and a herbarium (3,500 specimens), mammal and bird skin collections at UWBRRC.

(389)

Indianapolis FFA Foundation

RR 1 Box 492
Trafalgar, IN 46181
(317) 878-5464
Director: Michael D. Smith

Open to youth groups and the general public. Conference facilities. Multi-day programs. Open every day. Annual budget $250-500,000. 3 Full-time staff. 170 Acres. Lodging. Camping. Fees charged for facility use. Newsletter.

Mission: The purpose of our facility is to provide recreational facilities, healthy living conditions, social and group experiences that will help develop a sense of responsibility for our environment.

Site and Program Features: The facility has great versatility for different groups, with the full-service lodge, with its guests room and central lobby with fireplace, and a 5,000-ft. dining area. There is an educational building which can be divided into 6 small group meeting areas. There are 6 heated cabins, archery, basketball, football, volleyball, and baseball areas. At the 6-acre lake, there are fishing, swimming and canoeing. Numerous hiking trails prevail on the 170-acre property.

(390)

Hannah Lindahl Children's Museum

1402 S. Main
Mishawaka, IN 46544
(219) 258-3056
Director: John M. Kovach
Operator: School City of Mishawaka

Open to youth groups and the general public. Day programs. Open every day except Monday, Sunday. Hours: 9:30-12; 1:30-4:30. Seasonal changes in schedule. Annual budget $10-25,000. 1 Part-time staff. Newsletter.

Mission: To educate students and adults about local history, changes in lifestyles over time and about different cultures.

Site and Program Features: We are the only museum in our state which was developed by members of a school corporation and are still funded in part by that corporation.

(391)

Lindenwood Park

705 E. State
Ft. Wayne, IN 46805
(219) 427-1270
Contact: Tony Acosta, Outdoor Recreation Supervisor
Operator: City of Ft. Wayne Parks & Rec. Dept.

Open to youth groups and the general public. Day programs. Open every day except Monday. Hours: T-Sat. 9-6; Sun. 12-6 Annual budget $10-25,000. 1 Full-time staff. 93 Acres.

(392)

Merry Lea Environmental Learning Center

Wolf Lake, IN 46796
(219) 799-5869 FAX: (219) 535-7000
Director: Larry R. Yoder
Contact: David Miller, Program Coordinator
Operator: Goslen College

Open to youth groups and the general public. Day programs. Open every day except Saturday, Sunday. Hours: 9-5 Closed on major holidays. Annual budget $100-250,000. 2 Full-time staff. 1100 Acres. Fees charged for facility use. Newsletter.

Mission: Mission: (1) Provide a natural sanctuary for plants and animals of northeast Indiana, (2) provide environmental education experiences for people of all ages, and (3) provide recreational experiences that are recreating for the human body and spirit.

Site and Program Features: Merry Lea is a complex of fields, forest, bog and meadow that has sufficient size for diverse programming. These physical resources are combined with the human and technical resources of a quality private liberal arts college that has resource stewardship as one of its institutional goals.

(393)

Miami County Museum

51 N. Broadway
Peru, IN 46970
(317) 473-9183
Director: Mary L. James

Open to youth groups and the general public. Day programs. Open every day except Monday, Sunday. Hours: 10-5. Annual budget $25-50,000. 3 Full-time staff. Fees charged for facility use. Newsletter.

Mission: The goals of the Miami County Museum are to interpret the prehistory and the history of Miami County and the Upper Wabash River Valley. These goals will be met through static and interactive displays using the artifacts from our collection.

Site and Program Features: Our museum has recently moved into a renovated department store that is on the National Register of Historic Places. We are developing exhibits on area history, Cole Porter, prehistory and circus history.

Unique Features: The building is on the Register of Historic Places. It is over 100 years old and was originally used as a general mercantile store. It was backed by circus owner, Ben Wallace, in the late 1800's.

(394)

Mounds State Park

4306 Mounds Rd.
Anderson, IN 46017
(317) 642-6627
Director: Kent D. Parks
Contact: Karen J. Dalman, Park Naturalist
Operator: Indiana Division of State Parks

Open to youth groups and the general public. Day programs. Open every day. Hours: 7 am - 11 pm Seasonal changes in schedule. 260 Acres. Lodging. Camping. Fees charged for facility use.

Mission: To increase awareness and the appreciation of Indiana's natural and cultural heritage.

Site and Program Features: Mounds State Park is an archaeologically significant site due to the presence of 10 prehistoric (160 B.C.-40 A.D.) earthworks, constructed by the Adena and Hopewell cultures. Located in a natural setting, our goals are to educate the public about this unique time period in Indiana's past, as well as open people's eyes to the flora and fauna of the state.

(395)

Muscatatuck National Wildlife Refuge

RR 7, Box 189A
Seymour, IN 47274
(812) 522-4352
Director: Lee Herzberger
Contact: Donna Stanley, Outdoor Rec. Planner
Operator: U.S. Fish & Wildlife Service

Open to youth groups and the general public. Day programs. Open every day. Hours: Sunrise to sunset 7724 Acres. Fees charged for facility use.

Mission: Muscatatuck is a national wildlife refuge managed to provide a nesting area for wood ducks and other migratory waterfowl. It is a great place to observe and learn about wildlife. Educating people about wildlife is the major goal of our interpretive program. With our limited staff resources, we work mostly with teachers and youth leaders.

Site and Program Features: We have a large area available for use by groups with a great diversity of habitats. The refuge is a fine site for environmental education activities. Groups are welcome.

Unique Features: This is Indiana's only national wildlife refuge.

(396)

Patoka Lake Visitor Center

RR 1
Birdseye, IN 47513
(812) 685-2447
Director: Carol Groves
Operator: Indiana DNR

Open to youth groups and the general public. Day programs. Open every day. Hours: M-F 9-5; Sat.-Sun. 9-6 Winter: 9-4:30 Annual budget $50-100,000. 2 Full-time staff. 17000 Acres. Camping. Fees charged for facility use.

Site and Program Features: (1) solar-heated interpretive center--alternative energy use; (2) raptor education with live bald eagle.

(397)

Pokagon State Park Nature Center

Rt. 2 Box 129
Angola, IN 46703
(219) 833-2012
Director: Randy White
Contact: Fred J. Wooley, Naturalist
Operator: Indiana Division of State Parks

Open to youth groups and the general public. Conference facilities. Day and multi-day programs. Open every day. Hours: M-F 1-5; Sat.-Sun. 9-5 Summer: 9-5. Annual budget $25-50,000. 2 Full-time staff. 1200 Acres. Lodging. Camping. Fees charged for facility use.

Mission: The nature center and a variety of programs are offered to park campers, inn guests, school/youth/adult groups, and general day-use public to enhance the enjoyment, understanding, and appreciation of Pokagon's natural and cultural heritage, and to enhance protection and management of all resources by inspiring awareness, concern and commitment to a high quality environment.

Site and Program Features: The Pokagon State Park Nature Center is the hub of interpretive activities for this 1,200-acre state park in northeast Indiana. The park offers an excellent example of glacial moraine topography, including moraines, eskers, kames, and kettle hole lakes and depressions. Habitats include upland and lowland forests, grasslands, lakes, marshes, swamps, and springs. Camping, inn lodging, indoor auditoriums, and outdoor amphitheaters are available.

Unique Features: Excellent examples of glacial topography.

Learning "Hardwood Lumber Grading" at a nature center helps conserve natural resources and benefits the careers of adults attending the workshop. Photo by Owen D. Winters

(398)

Potato Creek State Park Nature Center

25601 State Rd. #4
North Liberty, IN 46554
(219) 656-8186
Director: John F. Schaust
Operator: Indiana Dept. of Natural Resources

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: 9-5 Winter: M-F 1-5; Sat.-Sun. 9-5 Annual budget $50-100,000. 1 Full-time staff. 3880 Acres. Lodging. Camping.

Mission: The goal of the nature center here at Potato Creek State Park is to provide the park visitor and the general public a wide variety of programs and experiences which will lead to the enjoyment, understanding and appreciation of the natural world which will result in an awareness, concern and commitment towards the wise management, use and protection of the earth's resources.

Site and Program Features: The nature center at Potato Creek State Park is an extremely versatile year-round facility. Summers are spent providing programs for thousands of visitors, while spring and fall seasons see a large number of school group visits. The building has a large number of high quality natural history-related displays, including a children's discovery area, a wildlife observation area and a very unique observation bee hive. A 100-seat auditorium provides an excellent program area.

Unique Features: Potato Creek State Park Nature Center is located within Indiana's third largest state park. It has been open to the public for 12 year and was developed from an area which was formerly rural countryside and wetland. The center of the park is a 320-acre man-made lake.

(399)

Rum Village Nature Center

2716 Sampson St.
South Bend, IN 46614
(219) 284-9455
Director: Jay W. Dean
Operator: City of South Bend Park & Rec. Dept.

Open to youth groups and the general public. Conference facilities. Day programs. Open every day except Saturday. Hours: M-F 8:30-4:30; Sun. 1-5 Closed on major holidays. Annual budget less than $10,000. 1 Full-time staff. 160 Acres.

Mission: The nature center serves the public as a source in the community for interested groups or individuals to formally learn, ask questions, and participate in natural science education programs. In addition, the center simply is a place where visitors can relax and enjoy the beautiful surroundings.

Site and Program Features: The center is located within the city limits and is a unique island of green among the urbanized area. The enormous stands of red oak, beech, and maple are impressive reminders of the pre-settlement era. Year-round programming for all ages incorporates many of the natural features within the park.

(400)

Starve Hollow

RR #1, Box 287
Vallonia, IN 47281
(812) 358-3464
Director: Patrick R. Ralston
Contact: Ronald Cobb, Property Manager
Operator: Department of Natural Resources

Open to youth groups and the general public. Open every day except Tuesday, Wednesday, Thursday. Hours: 7:30-4 Primarily open Memorial Day-Labor Day. Annual budget $10-25,000. 5 Full-time staff. 500 Acres. Lodging. Fees charged for facility use.

Mission: Our mission is to educate users in the world of forest management, and wildlife management. We try and have a variety of programs.

Site and Program Features: Starve Hollow has a family-type atmosphere. We have added 55 campsites equipped with electricity. We have also added three modern comfort stations. We have many different types of users come through our gate, so we try to provide a wide variety of programs.

(401)

Turkey Run State Park

RR 1, Box 164
Marshall, IN 47859
(317) 597-2654
Director: Randall Reed
Contact: Marquita Manley, Naturalist
Operator: Dep. of Natural Resources

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: 9-5 Closed M-T from 11/1-4/1 Annual budget $50-100,000. 1 Full-time staff. 2382 Acres. Lodging. Fees charged for facility use.

Mission: Turkey Run State Park Nature Center hopes to provide challenging, enjoyable, nature-oriented experiences–through hikes, slide programs, talks, workshops or special sessions–which result in greater knowledge of our environment and the desire to protect unique, natural areas.

Site and Program Features: Turkey Run State Park offers over 10 miles of hiking trails through woodlands and sandstone canyons, several small streams flowing into wide Sugar Creek, a covered bridge, 1841 restored brick home, full-service nature center including planetarium, camping, group conference facilities, and several recreational activities. Programs can be tailored to group needs.

Unique Features: Our site features high sandstone cliffs, winding canyons cut by streams, predominant canyon vegetation mosses, ferns, liverworts, hemlocks on cliffs. Broad Creek (canoeable) flows the length of the property. Camping/ picnic area is mixed forest.

(402)

Wesselman Park Nature Center

551 N. Boeke Rd.
Evansville, IN 47711
(812) 479-0771
Director: Alice James
Operator: City of Evansville

Open to youth groups and the general public. Day programs. Open every day except Monday. Hours: T-Sat. 8-4:30; Sun. 12-4 Annual budget $100-250,000. 4 Full-time staff. 220 Acres. Newsletter.

Mission: Wesselman Park Nature Center preserves and protects the largest stand of virgin forest in Indiana. It also provides environmental education and nature appreciation programs to residents of Indiana, Illinois, and Kentucky.

Site and Program Features: Wesselman Park Nature Center is an Indiana State Nature Preserve and a National Natural Landmark, protecting nearly 200 acres of virgin forest. Over 25,000 visitors (including over 6,000 school children) receive environmental protection and natural history messages here every year.

Unique Features: We have nearly 200 acres of virgin bottomland hardwood forest. and a prairie restoration project.

WESSELMAN PARK NATURE CENTER • EVANSVILLE, INDIANA •

(403)

Wyandotte Caves SRA

RR #1, Box 85
Leavenworth, IN 47137
(812) 738-2782
Director: Patrick R. Ralston
Contact: Gary W. Kopp, Property Manager
Operator: State of Indiana, DNR

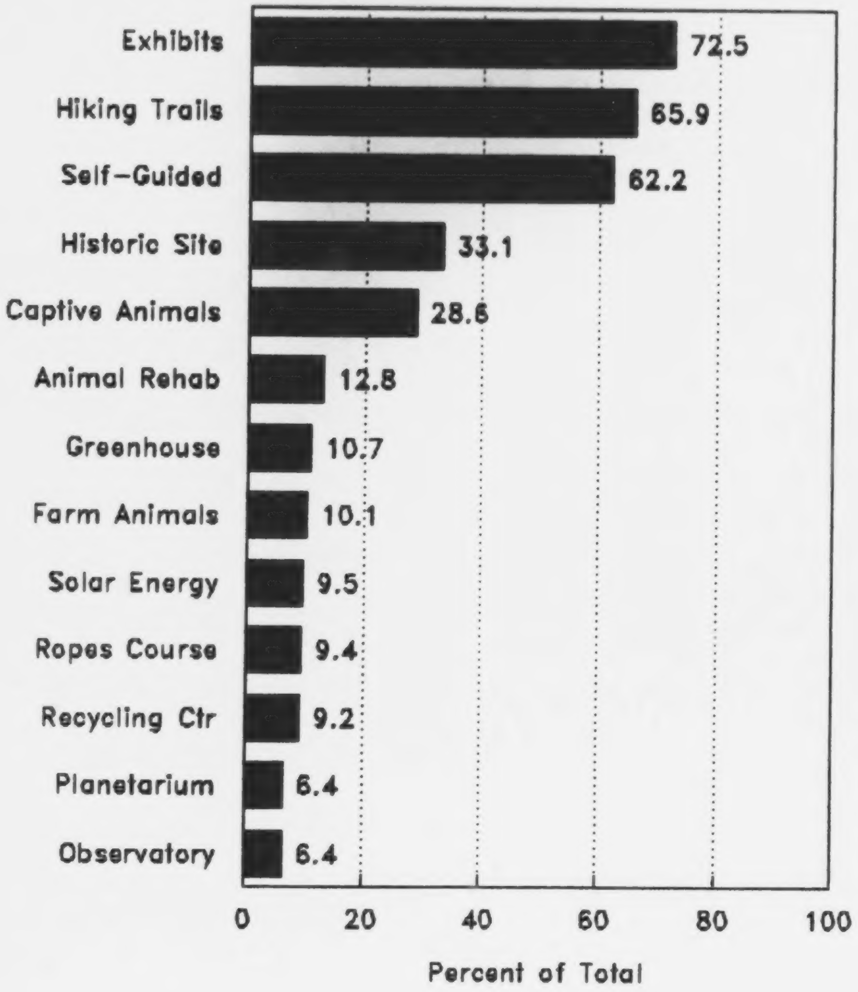
Open to youth groups and the general public. Day programs. Open every day. Hours: Summer: 9-6 Winter: 8-5 (Closed Mondays) Closed on major holidays. Annual budget $10-25,000. 6 Full-time staff. 1300 Acres. Newsletter.

Mission: Our primary goal is to educate the general public concerning the conservation of caves. Through education and public relations, we hope to direct the issue of cave conservation.

Site and Program Features: At our facility, we have two beautiful caves with six different tours - three walking tours and three spelunking or cave exploring tours. Several formations, huge passageways and occasional cave dwellers can be seen. All the tours are guided by our professional staff.

Wesselman Park Nature Center

Program Facilities



Is yours a "typical" nature center? Learn more about the nature center profession in the Foreword, "1990 Stats".

(404)

Conservation Education Center

RR #1, Box 53
Guthrie Center, IA 50115
(515) 747-8383
Director: Robert P. Rye
Operator: Iowa Dept. of Natural Resources

Open to youth groups and the general public. Conference facilities. Day programs and multi-day programs. Open every day. Hours: 8-4:30 Annual budget $250-500,000. 4 Full-time staff. 800 Acres. Lodging.

(405)

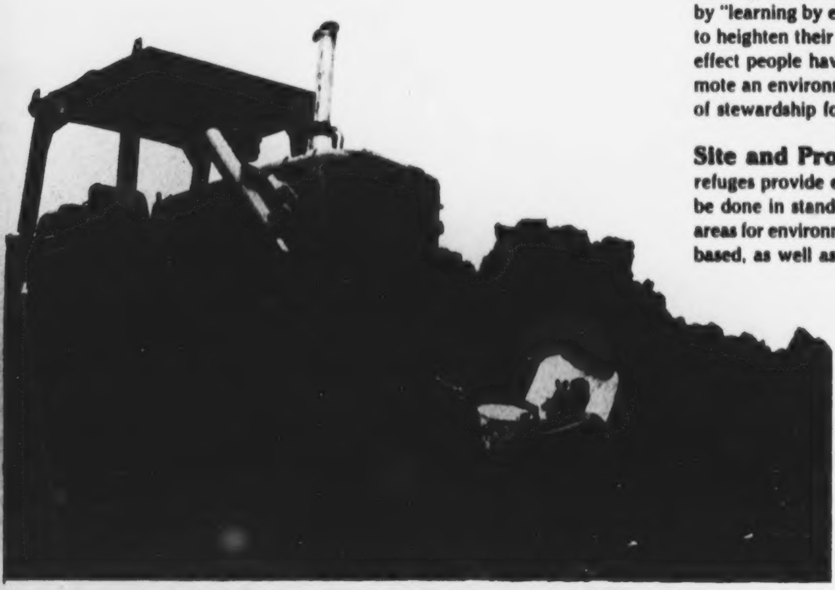
Coralville Lake

Corps of Engineers
RR2, Box 21
Iowa City, IA 52240
(319) 338-3543
Contact: Kathy Soska, Park Ranger
Operator: U.S. Army Corps of Engineers

Open to youth groups and the general public. Day programs. Open every day. Seasonal changes in schedule. Hours: M-F 8-4; Sat-Sun 12-4. 1 Full-time staff. Newsletter.

Mission: The mission of the visitor center is educating and acquainting the visitor to the Corps of Engineers, and its role in resource management and outdoor recreation.

Site and Program Features: Adjacent to the visitor center is a barrier-free trail which features various rest areas, a 60-foot bridge and a bird blind for observation of midwestern birds. The trail is open year-round.



Multifaceted program offerings include intelligently examining issues and creating an atmosphere conducive to values clarification. Some nature centers take stands on issues of public concern. Photo courtesy of The Franklin Institute.

(406)

Delaware Co. Conservation

Rt. 1, Box 243
Manchester, IA 52057
(319) 927-3410
Director: Garlyn Glanz
Contact: B. Paragamian, Naturalist

Open to youth groups and the general public. Conference facilities. Day programs. Open every day except Saturday, Sunday. Hours: 8-3:30. Memorial Day to Labor Day open every day. Annual budget $100-250,000. 1 Full-time staff. 80 Acres. Newsletter.

Mission: To encourage people to respect and appreciate their natural resources and demonstrate environmentally safe behaviors and attitudes.

Site and Program Features: The exhibits are arranged in habitat groupings featuring a forest scene, wetlands, and a prairie with animals appropriate to each habitat.

(407)

DeSoto National Wildlife Refuge

R-1, Box 114
Missouri Valley, IA 51555
(712) 642-4121
Director: George E. Gage
Contact: K.L. Drews, Outdoor Rec. Planner
Operator: U.S. Fish & Wildlife Service

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: 9-4:30 Seasonal changes in schedule. Closed on major holidays. Annual budget $250-500,000. 2 Full-time staff. 7823 Acres. Newsletter.

Mission: To provide learning experiences which stress the interrelationship and interdependence of people and the environment, particularly by "learning by experience" activities that reinforce concepts. Our goal is to heighten their understanding of their role in the environment, and the effect people have on wildlife/wildlands resources. We also seek to promote an environmental ethic in visitors, and thereby increase their sense of stewardship for those resources.

Site and Program Features: This and other national wildlife refuges provide excellent outdoor classroom sites for studies that cannot be done in standard school facilities. DeSoto NWR offers several habitat areas for environmental studies and provides for activities that are curricular based, as well as multidisciplinary, in approach.

(413)

Indian Creek Nature Center

6665 Otis Ridge
Cedar Rapids, IA 52403
(319) 362-0664
Director: Rich Patterson

Open to youth groups and the general public. Day programs. Open every day. Hours: M-F 9-4; Sat 11-4; Sun 1-4. Closed on major holidays. Annual budget $100-250,000. 2 Full-time staff. 140 Acres. Fees charged for facility use. Newsletter.

Mission: From our bylaws, "It is the object and purpose of the corporation to foster an appreciation of nature and a fuller understanding of people's place in the natural living world."

Site and Program Features: We are the pace setting nature center in Iowa. We are visible throughout the state and are proud of our innovative public programs that have been much copied.

Room to Soar!

(414)

Iowa 4-H Camping Center

33 Curtiss Hall
Iowa State University
Ames, IA 50011
(515) 294-1017
Director: Nolen Forsythe
Contact: Jim Pease, Extension 4H Youth Dev. Specialist

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Annual budget $100-250,000. 2 Full-time staff. 1100 Acres. Lodging. Camping. Fees charged for facility use.

Mission: Owned by the Iowa 4-H Foundation and operated by the 4-H and Youth Program of Iowa State University Extension Service, the facility exists for the personal and social and environmental development of youth and adults. The goals of the facility include the development of self-esteem, understanding of self, understanding of self in relation to others, and an understanding of self in relation to environment. We desire to put youth in contact with positive adult role models who will help them develop into competent, caring citizens who will make intelligent decisions for the environment and for themselves.

Site and Program Features: The Iowa 4-H Camping Center is an 1,100-acre site in central Iowa. It is situated along the eastern banks of the Des Moines River valley, featuring heavily wooded hills and streams. The program is strongly oriented towards environmental and natural resource education. Serving as a site for interns from Iowa State University and other colleges and universities, young people and adults participate in a wide variety of hands-on learning experiences. Experiential learning is the by-word, assisting them in developing a strong land ethic and skills in both consumptive and non-consumptive uses of the environment.

(415)

Jackson County Conservation Board

201 W. Platt
Maquoketa, IA 52060
(319) 652-3783
Director: Gary Speckmann
Contact: Ann Burns, Naturalist

Open to youth groups and the general public. Day programs. Open every day. Annual budget $100-250,000. 1 Full-time staff. 721 Acres. Camping. Newsletter.

Mission: To provide environmental education and outdoor recreation opportunities to students, residents, visitors and any other groups in Jackson County.

Site and Program Features: We maintain a variety of sites each for its own special set of reasons–camping facilities, wildlife areas, canoe accesses, and historical sites. Our strength with this set up is that we are flexible and use the appropriate site for the specific need.

Taking a closer look at what's behind the honey jar. The study of beekeeping is attention-getting and brings home a strong environmental lesson. Photo courtesy of Iowa State University.

(416)

Jasper County Conservation Board

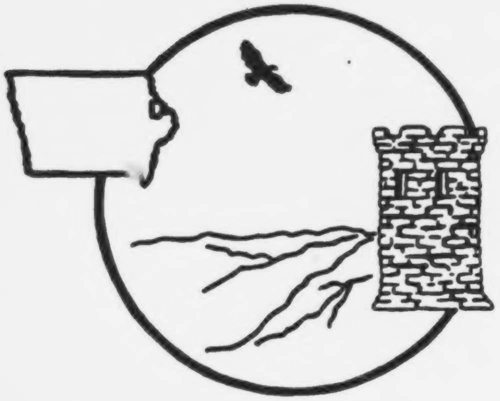
101 1st St. N.
Newton, IA 50208
(515) 792-9780
Director: Dennis Black
Contact: Mark D. Wagner, Naturalist
Operator: Jasper County Conservation Board

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: 6:30 am - 10:30 pm Seasonal changes in schedule. Annual budget $100-250,000. 1 Full-time staff. 1682 Acres. Camping. Newsletter.

Mission: The goals of the Environmental Awareness Program of the Jasper County Conservation Board are to interpret nature and its ecology and conservation for students and the public who are interested in learning more about their relationship to the plants, animals, and various environments of the Earth.

Site and Program Features: We do not have an actual nature center, but rather many parks with differing features, woodlands, prairie, lakes, recreation trail (20 miles), historic sites, etc. All of our environmental awareness programs held out of doors are done in these areas totaling 1,682 acres.

Unique Features: Astronomical observatory in one park with an attached classroom for 30 people. Operating water-powered mill in one area built in 1848.



(421)

Mines of Spain - E. B. Lyons Nature Center

8999 Bellevue Heights
Dubuque, IA 52001
(319) 556-0620

Director: Mike Abel, Ranger
Contact: Elizabeth Hauptli, Naturalist
Operator: Dept. of Natural Resources, State of IA

> Open to youth groups and the general public. Day programs. Open every day. Hours: Winter - M-F, 8-4, Closed weekends; Summer 8-4, every day. Closed on major holidays. Annual budget $100-250,000. 2 Full-time staff. 37 Acres. Newsletter.

Mission: We strive to instill into our visitors a knowledge and appreciation of their environment through active and passive interpretive programs which emphasize our region.

Site and Program Features: Nature center, 1860s farm site with a standing chapel, evidence of early lead mining, old fields, prairies and wooded areas, special gardens, limestone outcroppings, self-guided trails. We feel that the programs we offer at the center help our visitors to accumulate and sustain a quality perception and respect for the natural world and their own environment.

(422)

Oakland Mills Nature Center

Henry County Conservation
RR 4, Box 96
Mt. Pleasant, IA 52641
(319) 986-5067

Director: Don E. Peak
Operator: Henry County

> Open to youth groups and the general public. Day programs. Open every day. Hours: 7-3:30 Annual budget $100-250,000. 2 Full-time staff. 108 Acres. Camping.

Mission: In this county of only approx. 15,000 people, there is a general lack of knowledge of what occurs in nature. Our goal is to enlighten individuals of what diversity of flora and fauna exists and what their relationship is.

Site and Program Features: 85 acres of upland hardwood timber with a substantial river corridor as a boundary. Reforestation and habitat restoration projects offer scenic examples of what may be done to help the environment.

(423)

Osborne Visitor Welcome & Nature Center

RR #2, Box 65A
Elkader, IA 52043
(319) 245-1516

Director: Don R. Menken
Operator: Clayton County Conservation Board

> Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: 8-4:30 May-Sept. center open until 8 pm. Annual budget $50-100,000. 2 Full-time staff. 260 Acres. Camping. Newsletter.

Mission: We feel that young people are our most important resource, and we strive to teach them how to live in harmony with the other resources.

Site and Program Features: In a rural setting, we have a diversity of terrain and resources that is unique for Iowa—the Driftless Area. Over a period of 20 years, we have been able to develop staff and activities that are in harmony with our particular site.

(424)

Project ECO - Ames Schools

120 S. Kellogg
Ames, IA 50010
(515) 232-3400

Director: Nancy Kurrle
Operator: Ames School District

> Open to youth groups and the general public. Day programs. Open every day except Saturday, Sunday. Hours: 9-3. Operate on school schedule. Closed on major holidays. Annual budget $25-50,000. 2 Full-time staff.

Mission: To use the natural environment as a teaching device. To use community resources in the teaching of science, math, art, language arts, and social science. To provide an opportunity for study in a variety of field locations. To supplement the science and other educational programs. To give students an opportunity to observe, investigate, and evaluate a variety of ecological relationships and conservation practices in order to develop the concept of stewardship of natural resources. To provide the sixth grade students with environmental opportunities through an overnight experience. To provide the district's teachers a field experience in environmental education.

Site and Program Features: Consistent with the major environmental attitudinal concerns of our society, Project ECO (Environmental Curriculum Opportunities Program) was implemented in the Ames Community Schools in 1971. The main emphasis of the project is to increase the student's involvement with the natural environment in an organized and controlled system of learning outside the classroom. ECO is one of the "hands-on" science components serving students in the elementary and secondary schools. Students spend three days in field experiences spaced throughout the year. They observe the environment and conduct field studies appropriate to their maturation level. These field experiences are provided with the assistance of one bus and two 40' semi-trailers equipped as mobile laboratories.

(425)

The Putnam Museum

1717 West 12th St.
Davenport, IA 52804
(319) 324-1933
Director: Michael J. Smith
Contact: Karen M. Larson, Asst. Dir. for Education

Open to youth groups and the general public. Conference facilities. Day programs. Open every day except Monday. Hours: T-S 9-5; Sun 1-5. Closed on major holidays. Annual budget $500K-1,000,000. 11 Full-time staff. Fees charged for facility use. Newsletter.

Mission: The Putnam Museum collects and preserves objects documenting: the history and natural history of the region, the fields of archaeology and ethnology, and the classical civilizations of Egypt, Greece, Rome and the Orient. The Museum utilizes those objects in interpretive exhibits and educational programs which focus on the Putnam's own region and relates this region to the nation and the rest of the world.

Site and Program Features: On a bluff overlooking the Mississippi River, the Putnam Museum offers exciting exhibits on the history and natural history of the Quad Cities region. The River Valley Discovery Room, with natural science specimens and historical artifacts to manipulate, is fascinating fun for children of all ages.

(426)

Rathbun Project Office

U.S. Army Corps of Engineers
R.R. #3
Centerville, IA 52544
(515) 647-2464
Director: William R. Duey
Contact: Alan K. Gehrt, Park Manager

Open to the general public. Open every day. Hours: 8-4:30. Open Memorial Day through Labor Day. Annual budget $500K-1,000,000. 33,000 Acres. Lodging. Camping.

(427)

Sac County Conservation Board

RR 3, Box 96A
Sac City, IA 50583
(712) 662-4530
Director: Kirk B. Brown
Contact: Todd Von Ehwegen, Naturalist

Open to youth groups and the general public. Conference facilities. Day programs. Open every day except Saturday, Sunday. Hours: 8-5 April-Sept., Sat-Sun 8-12. Annual budget $50-100,000. 3 Full-time staff. 60 Acres. Camping. Newsletter.

Mission: To provide environmental education to the local county schools, with an emphasis on grades K-6, so that these children will develop an environmental ethic. Also, to provide recreational and environmental programs to the public, and to be available as a resource of environmental programs and activities for local organizations and clubs such as Scouts, Kiwanis, etc.

Site and Program Features: Special features include Raccoon River, one of the best for fishing and canoeing in the state of Iowa. Strengths: county has a small population, able to work with smaller groups and classes for a more quality outdoor experience for members of these groups and classes.

A study of transition vegetation somehow always includes a few frogs and salamanders, too. Photo courtesy of Rio Grande Nature Center.

(428)

Sanford Museum and Planetarium

117 E. Willow
Cherokee, IA 51012
(712) 225-3922
Director: J. Terry Walker

Open to youth groups and the general public. Day programs. Open every day. Hours: M-F 9-5; Sat.-Sun. 12-5 Closed on major holidays. Annual budget $50-100,000. 2 Full-time staff.

(429)

Saulsbury Bridge Recreation Area

RR4, Box 85
Muscatine, IA 52761
(319) 649-3379
Director: Curtiss Weiss
Contact: Dave Bakke, Naturalist
Operator: Muscatine County Conservation Board

Open to youth groups and the general public. Day programs. Open every day. Hours: M-F 8-4:30; Sat-Sun 1-5. Closed on major holidays. Annual budget $100-250,000. 3 Full-time staff. 675 Acres. Camping. Newsletter.

Mission: Our goal is to provide an area where individuals can come to learn more about the natural world. Whenever possible we employ a hands-on approach and encourage visitors to explore where they fit into, and how they impact, the natural world.

Site and Program Features: The Saulsbury Bridge Recreation Area provides a variety of ecosystems for natural history study. Habitat improvements near the nature center show how they can be functional for wildlife as well as useful as a landscaping tool. The center blends in well with its environment and uses hands-on exhibits to teach about the flora and fauna of the area.

(430)

Science Center of Iowa

3518 Brinkwood Rd.
Des Moines, IA 50312
(515) 274-4138
Director: Kirk E. Brocker
Contact: Jack D. Jones, Marketing Director

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: Mon.-Sat. 10-5; Sun. 1-5. Annual budget $500K-1,000,000. 11 Full-time staff. 2 Acres. Fees charged for facility use. Newsletter.

Mission: The Science Center of Iowa was founded to encourage the investigation of science and related technologies through the use of interactive exhibits and interpersonal demonstrations. Programs and exhibits are designed to appeal to the broadest possible range of ages and levels of ability.

Site and Program Features: The Center generally focuses on the physical, life and health sciences, as well as astronomy. Emphasis is placed on the principles of problem solving and use of the scientific method. A strong emphasis is placed on educational programs for school children and adults.

(431)

Starr's Cave Nature Center

3299 Irish Ridge Rd.
Burlington, IA 52601
(319) 753-5808
Director: Sharon Kaufman
Operator: Des Moines County Conservation Board

Open to youth groups and the general public. Conference facilities. Day programs. Open Sunday. Hours: 2-5 (anytime by appointment) Closed on major holidays. Annual budget $25-50,000. 1 Full-time staff. 140 Acres. Newsletter.

Mission: Our goal is to serve as a stepping stone to the out-of-doors through the words of Burlington-native, conservationist Aldo Leopold. We hope to interpret the natural resources of Des Moines County, promote their conservation, and develop a citizenry that is environmentally responsible.

Site and Program Features: Becaue we sit in the home town and important boyhood home of conservationist Aldo Leopold, we have a strong philosophical base upon which to build our exhibitry and programs. This theme approach to program development, we believe, helps us provide a well-balanced program that can be evaluated and made better. Leopold's well-articulated philosophies studied in beautiful wooded surroundings allow for poritive, memorable experiences.

Unique Features: Starr's Cave Nature Center lies within Starr's Cave Park and Preserve, a state-owned geological preserve known as the type-area for the Starr's Cave Formation of the Burlington Limestone. Three small caves occur in this rock layer.

(432)

Swiss Valley Nature Center

13768 Swiss Valley Rd.
Peosta, IA 52068
(319) 556-6745
Director: Robert J. Walton
Operator: Dubuque County Conservation Board

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: M-F 7-3;30; Sat-Sun 9-5. Closed on major holidays. Annual budget $500K-1,000,000. 3 Full-time staff. 620 Acres. Camping.

Mission: Our main goals are to create awareness and appreciation of our remaining natural resources and cultivate good stewardship ideals in the citizenry of our area.

Site and Program Features: The Swiss Valley Nature Preserve is listed as a Registered Iowa Natural Area by the Nature Conservancy. The preserve features a visitor center, containing interpretive displays concerning the wildlife, ecology and natural history of the Swiss Valley area. More than 10 miles of self-guiding nature, hiking and cross country ski trails radiate outward from the center through forested prairie and wetland areas.

(433)

Upper Mississippi River National Refuge

Hwy. 18 North
McGregor, IA 52157
(319) 873-3423
Director: Mr. John Lyons
Operator: U.S. Fish and Wildlife Service

Open to youth groups and the general public. Open every day except Saturday, Sunday. Hours: 8-4. Closed on major holidays. 4 Part-time staff. 195,000 Acres.

Mission: To inform people of the complex biological and political environment in which Upper Mississippi River National Wildlife and Fish Refuge lies and to promote wise use and perpetuation of environmental values represented by the refuge.

Site and Program Features: McGregor Visitor Contact Station is the only visitor facility for the entire 261-mile length of Upper Mississippi Refuge. It gives an overview of the refuge: its history, its importance to migratory birds, resident species of fish, wildlife and people, and threats to its existence.

(434)

Wildwood Nature Center

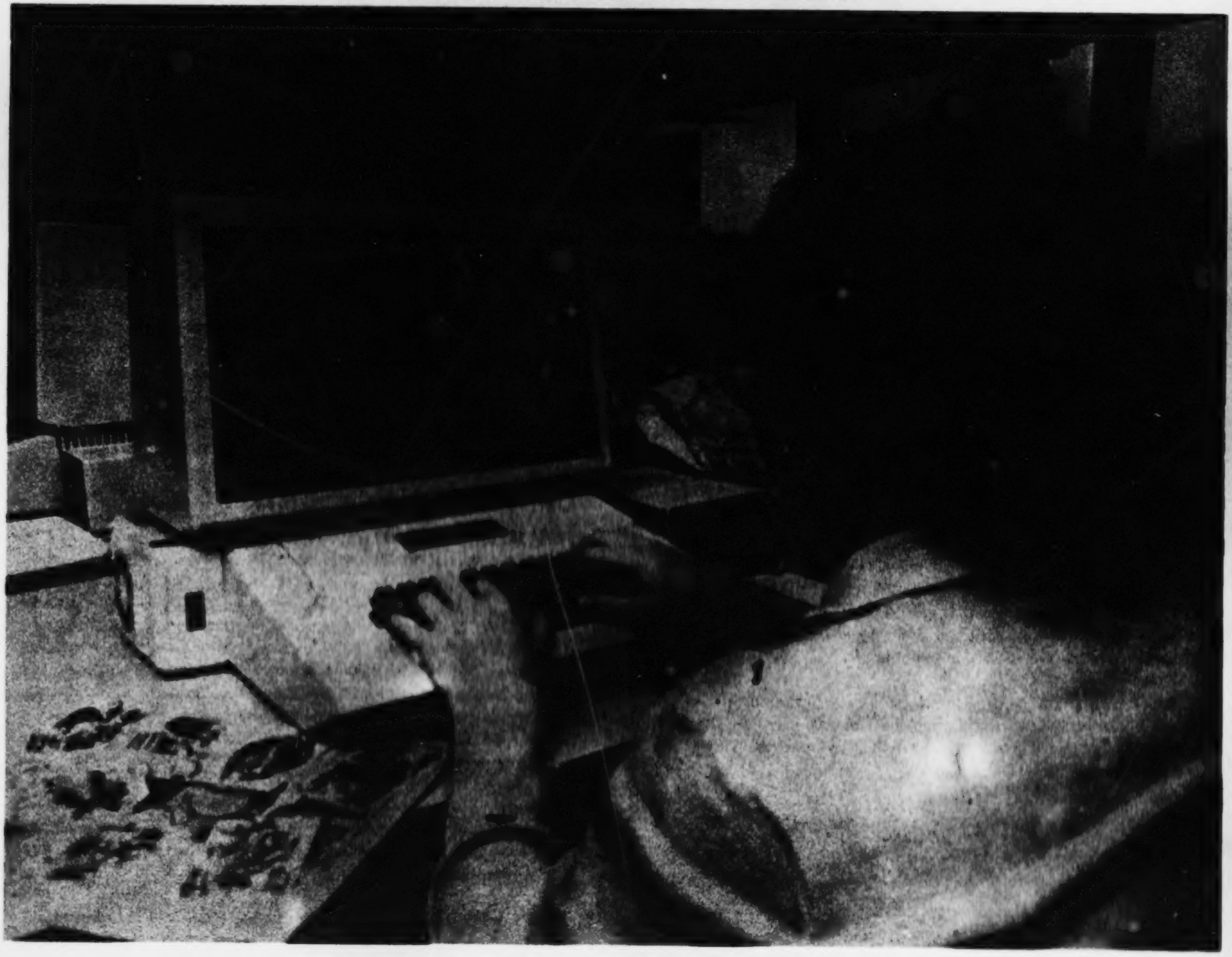
RR 1
Fayette, IA 52142
(319) 422-5146

Director: Rod Marlatt
Contact: Linette Phillips, Naturalist

Open to youth groups and the general public. Open every day except Saturday, Sunday. Hours: 8-4:30 Closed on major holidays. 2 Full-time staff. 10 Acres.

Mission: Mission statement of FCCB: (1) To provide EE and recreational opportunities to the students and residents of Fayette County, thereby creating an environmentally informed public. (2) To preserve, protect, and effectively manage the flora and fauna of Fayette County, which are under management of the FCCB.

Site and Program Features: Wildwood Nature Center is home to several rehabilitated, unreleasable native Iowa animals, including a bald eagle. WNC also serves as headquarters for our EE program. The EE program has reached over 12,000 people in FY 88-89 through field trips, classroom visits, general public programs, and nature center visitors. We customize each program to suit the needs of the teacher or group leader.



Computers are a part of everyone's future. Including them in a nature center adds yet another attractive feature to the overall presentation. Photo courtesy of Oregon Museum of Science and Industry (see p. 264).

(435)

Chaplin Nature Center

Rt. #1, Box 216
Arkansas City, KS 67005
(316) 442-7227
Director: Gerald J. Wiens
Operator: Wichita Audubon Society

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: sunrise to sunset. Annual budget $25-50,000. 1 Full-time staff. 200 Acres. Newsletter.

Mission: The Chaplin Nature Center exists to help people understand themselves in relation to the natural environment upon which we all depend for life. The Center is dedicated to the wider knowledge and appreciation of nature.

Site and Program Features: A diversity of habitat–prairie, exceptional forested area, pond, spring-fed creek. The Center borders the Arkansas River–the fifth longest river in the U.S.

(436)

Dillon Nature Center

3002 East 30th
Hutchinson, KS 67502
(316) 663-7411
Director: James M. Smith
Operator: Hutchinson Recreation Commission

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: 8 am-dusk M-F;10 am-dusk weekends/holiday. Annual budget $50-100,000. 3 Full-time staff. 28 Acres. Newsletter.

Mission: Our main mission is to provide outdoor educational and recreational experiences and opportunities for groups and the public in general. It is our hope that these experiences will help lead the participants to a better understanding of, appreciation for, and conservation of our planet's natural resources.

Site and Program Features: Perhaps the most special feature is our very unusual setting. We are located next door to a power plant and we are bordered by a railroad, and two busy roadways, and we are also on the flight path of the local airport. Even with all these urban problems, the nature center still can offer a natural setting for programming and general public use. Nearly 200 species of birds have been sighted here along with many mammals, reptiles, amphibians, etc., and dozens of species of wildflowers, native grasses, and woody plants. This diversity and compactness of the site and proximity to the public make the nature center perfect for environmental studies and public programming.

Unique Features: The nature center has over 200 species of woody plants planted into a wild arboretum. The new plantings (mostly since 1982) are mixed with giant old cottonwoods. The nature center is creating habitats so that people can experience several different habitats in a very small area. These include: marsh, pond, prairie, hardwood forest, and coniferous forest and all the transition zones.

(437)

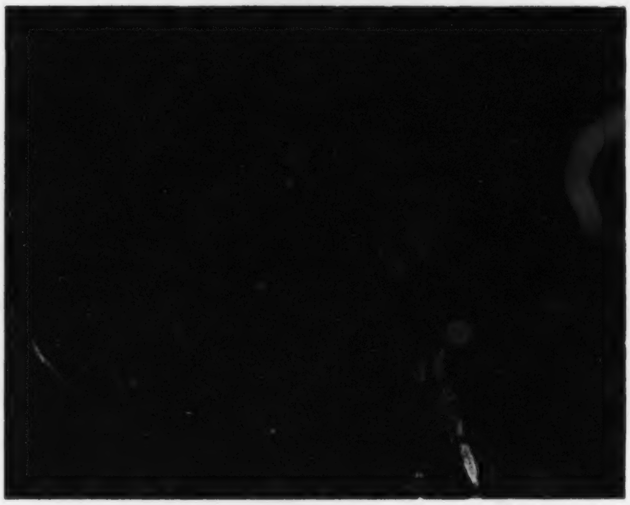
Flint Hills National Wildlife Refuge

P.O. Box 128
Hartford, KS 66854
(316) 392-5553
Director: David Wiseman
Contact: Mark Vaniman, Asst. Refuge Manager
Operator: U.S. Fish & Wildlife Service

Open to youth groups and the general public. Open every day except Saturday, Sunday. Hours: 8-4:30 Closed on major holidays. Annual budget $100-250,000. 6 Full-time staff. 18,500 Acres.

Mission: The refuge was established as a wintering/resting area for migratory waterfowl. As a national wildlife refuge our main mission is to provide food and habitat for waterfowl. Our secondary goal is to provide the public with wildlife-oriented recreational opportunities.

Site and Program Features: Spectacular numbers of waterfowl winter over in the area. The staff is available for tours and programs on request.

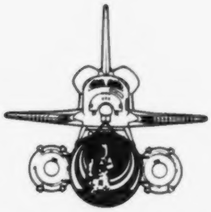


Getting there is half of the fun! Day trips to nearby points of interest can foster a greater appreciation of everyone's own "backyard". Photo by Dick Touvell

(438)

Kansas Cosmosphere & Space Center

1100 N. Plum
Hutchinson, KS 67501
(316) 662-2305
Director: Max Ary
Contact: Andrew Johnson, Dir. of Operation
Operator: Hutchinson Science Foundation



Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: M-F 9-5; Sat.-Sun. 12-9 Annual budget more than $1,000,000. 14 Full-time staff. Newsletter.

Mission: To provide the general public with information about Space and man's efforts to explore space.

Site and Program Features: Our facility features an omnimax Theater, planetarium, Teachers Resource Center (NASA) Museum and Exhibit Gallery, educational workshops, and summer camps. The Kansas Cosmosphere is one of the nation's premier space science museums.

American Association of Museums

The AAM is one of the organizations which offer services benefiting natural science centers (see Appendix C).

(439)

Kirwin National Wildlife Refuge

RR 1, Box 103
Kirwin, KS 67644
(913) 543-6673
Contact: Milton B. Suthers, Refuge Manager
Operator: U.S. Fish & Wildlife Service

Open to youth groups and the general public. Day programs. Open every day except Saturday, Sunday. Hours: 7:30-4 Closed on major holidays. Annual budget $100-250,000. 2 Full-time staff. 10,778 Acres.

(440)

Melvern Lake

U.S. Army, Corps of Engineers
Rt 1, Box 370
Melvern, KS 66510
(913) 549-3318
Director: Robert M. Carilisle

Open to the general public. Open every day except Saturday, Sunday. Hours: 8-4:30. Call for summer schedule. Closed on major holidays. Annual budget more than $1,000,000. 6 Full-time staff. 25,000 Acres.

Mission: The Corps of Engineers operates this project mainly as a flood control project, but two of its main programs are recreation and natural resource management. Melvern is a 7,000-acre lake located in the unique Kansas Flinthills Region.

Site and Program Features: We are currently involved in a native tallgrass prairie restoration project. Approximately 350 acres have been set aside at this project to maintain in a pristine state for future generations. We have also developed programs and activities for the general public to develop environmental awareness.

Unique Features: Melvern Lake is a 7,000 acre man-made lake designed to provide flood control and recreation. It is nestled in the Kansas Flint Hill Region, a unique flora and fauna habitat type.

(441)

Sunset Zoological Park

11th & Poyntz
Manhattan, KS 66502
(913) 537-0063 Ext. 279
Director: Steven V. Matthews
Operator: City of Manhattan

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: 10-5 Dec-Feb - 12-4. Annual budget $250-500,000. 12 Full-time staff. 21 Acres. Fees charged for facility use. Newsletter.

Mission: Sunset Zoo's purpose is to provide the community with an opportunity to see and learn through education about a variety of animals from all over the world; to enable scientists and students to study animals first hand; to provide protection for and promote the conservation, reproduction and exhibition of native, exotic, threatened and endangered species; and to provide the citizens of the regional community a source of cultural enrichment.

Site and Program Features: The Sunset Zoo exhibits its collection on the rolling topography of the Flint Hills. Most of the older exhibits were completed in the Works Progress Administration by CCC workers. There are other exhibits completed from the 1960's through the present. At this time, there are five areas for exhibits: Children's Zoo, Biosphere Exhibits, Asian Forest Preserve, Australian, Prairie, Primates, Bears. Education programs are: Teacher classes, docents, junior zookeepers, interns, and live animal demonstrations.

(442)

Univ. of Kansas Museum of Natural History

14th & Jayhawk Blvd.
Lawrence, KS 66045
(913) 864-4540
Director: Philip S. Humphrey
Contact: Cathy Dwigans, Assoc. Dir. Memb. & P.R.

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: Mon-Sat, 8-5; Sun & Holidays, 1-5. Closed on major holidays. Annual budget more than $1,000,000. 26 Full-time staff. Newsletter.

Mission: Develop, manage, and maintain collections of fossil and Recent vertebrates; maintain a program of research and teaching for graduate and undergraduate education; provide services, based on museum resources, to the public of the state and the region.

Site and Program Features: Collections of one million specimens of fossil and Recent vertebrates; 150 public exhibits on four floors, including fossils, live bees, fishes, and snakes, and dioramas showing regional wildlife and environments; educational programs for children and adults offered throughout the year; publications (scientific and popular) on natural history.

(443)

Wichita Wild

455 N. Main, 11th Floor
Wichita, KS 67202
(316) 264-8323
Director: Bob Gress
Operator: Wichita Board of Park Commissioners

Open to youth groups and the general public. Day programs. Open every day. Hours: Sunrise-sunset. Annual budget $100-250,000. 4 Full-time staff. 800 Acres.

Mission: Wichita Wild is a nature education program designed to increase the awareness, appreciation, and enjoyment of wildlife and nature in Wichita.

Site and Program Features: Wichita Wild is a multi-faceted program providing guided field activities, wildlife presentations, and leader workshops. These activities are available at several Wichita Wild sites, including the Kansas Wildlife Exhibit, Chisholm Creek Park Nature Trails, and Pawnee Prairie Park Nature Trails. Wichita Wild Habitat Areas also protect unique resources found within the city of Wichita.

Unique Features: We have several locations including: Chisholm Creek Park Nature Trails and Picnic Area, Pawnee Prairie Park Nature Trails and Picnic Area, and Kansas Wildlife Exhibit.

(444)

Wildwood Outdoor Education Center

Rt. 1, Box 76
LaCygne, KS 66040
(913) 757-4500
Director: Mark & Judy Pallett

Open to youth groups. Conference facilities. Day and multi-day programs. Open every day. Annual budget $250-500,000. 5 Full-time staff. 142 Acres. Lodging. Fees charged for facility use. Newsletter.

Mission: Wildwood is dedicated to providing hands-on educational and team building programs. Our natural environment provides the focus for new adventures and interdisciplinary learning experiences.

Site and Program Features: Wildwood is located 45 minutes south of Kansas City on 142 acres of rolling, wooded hills and prairie. The Center serves over 5,000 students and adults each year in programs designed to motivate, to challenge and to strengthen relationships with both the natural environment and with other people.

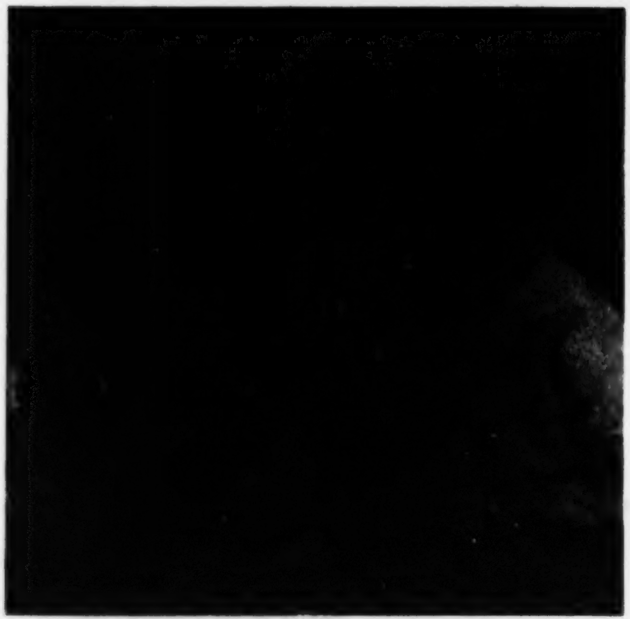
(445)

Wilson Lake Project Office

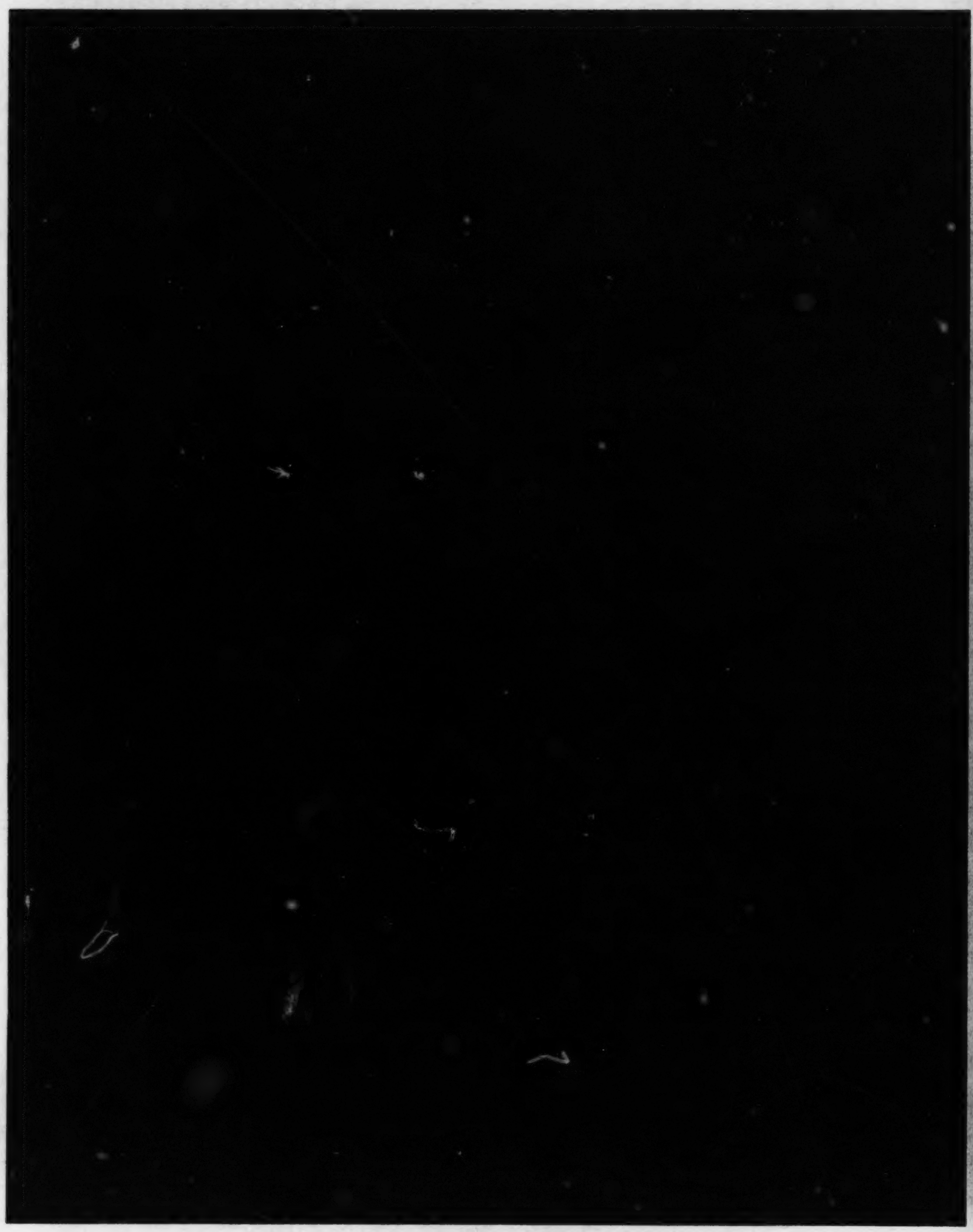
Rt. 1, Box 241
Sylvan Grove, KS 67481
(913) 658-2551
Contact: Lorrie Beck, Park Ranger

Open to youth groups and the general public. Open every day. Hours: 7:30-4 Closed weekends mid-Nov. to mid-March, Closed on major holidays. 305 Acres.

Adventure Education involves people in doing things they couldn't previously even dream of doing, boosting the individual's overall self-esteem and confidence levels. Photo courtesy of Wildwood Outdoor Education Center.



This was a living creature over 350,000,000 years ago! Photo courtesy of Wildwood Outdoor Education Center.



Stargazing helps bring other worlds into our realm of thinking. Photo courtesy of Land Between the Lakes (see p.126).

134

(446)

I. W. Bernheim Foundation

Bernheim Forest
Clermont, KY 40110
(502) 543-2451
Director: Charles K. McClure

Open to youth groups and the general public. Day programs. Open every day. Hours: 9-5 Closed in winter–Nov. 15 thru Mar. 15. Annual budget $500K-1,000,000. 4 Full-time staff. 14,000 Acres.

Mission: Provide the people of Kentucky and their friends a place to commune with nature and recharge their lives from the quiet-tude and harmony surrounding them.

Site and Program Features: In the geologically unique "knobs" area of Kentucky, we have a protected eco-system for future generations to revere and enjoy.

(447)

Blackacre Nature Preserve

3200 Tucker Station Rd.
Louisville, KY 40299
(502) 456-3295
Director: David Wicks
Operator: Jefferson County Public Schools

Open to youth groups. Day programs. Open every day except Saturday, Sunday. Hours: M-F 9-2:30. Closed Jan./Feb. Annual budget $25-50,000. 1 Full-time staff. 170 Acres.

Mission: First and foremost, Blackacre Nature Preserve has a goal of educating school children. In addition, we strive to teach teachers to teach environmental education. We teach for the future by teaching about the past in history and cultural arts and by teaching about the present in science and human relations.

Site and Program Features: Blackacre was originally a homestead of the Tyler family. It is the oldest farm in Jefferson County with the oldest and largest Appalachian double crib log barn in the country. We teach 4 different areas: science, arts, human relations and history in activities ranging from pond studies to storytelling or dancing in the barn. It is that diversity and unfailing support from local teachers that make our programs thrive and succeed.

Unique Features: There are several springs on site, as well as a small cave.

Nature study's goal is much more than learning about component parts, it is aimed squarely at developing values and knowledge that will affect a person's lifelong actions and attitudes. Photo courtesy of National Audubon Society, Buckley Wildlife Sanctuary.

(448)

Buckley Wildlife Sanctuary

1305 Germany Rd.
Frankfort, KY 40601
(606) 873-5711
Director: Tim Williams
Operator: Woodford Bank/National Audubon Society

Open to youth groups and the general public. Conference facilities. Day programs. Open every day except Monday, Tuesday. Hours: Nature Center Bldg., Sat.-Sun. 1-6 Annual budget $50-100,000. 1 Full-time staff. 275 Acres.

Mission: (1) Create and maintain a diversity of habitat through sound management to encourage the potential of native flora and fauna. (2) Teach the public the values of their world and its inhabitants through fun, hands-on programs and adventures.

Site and Program Features: (1) Cheerful, ambitious, dedicated, enthusiastic, self-motivated, creative staff. (2) Quiet rural setting of mixed-mesophytic forest on the transition zone between northern and southern flora and fauna.

Unique Features: Rolling hills of the Inner Bluegrass, near the Kentucky River. Subsurface is limestone and is rich in marine fossils.

(449)

Cave Run Lake

U.S. Army Corps of Engineers
RR 4, Box 223
Morehead, KY 40351
(606) 784-9709
Contact: Mark Barnum, Park Manager

Open to youth groups and the general public. Day programs. Open every day. Hours: 7-4 Annual budget $100-250,000. 360 Acres.

Mission: The Cave Run Lake Project's primary purpose is flood control. Secondary purposes include: recreation and enhancement of fish to wildlife resources. The visitor information center provides project visitors with informational brochures, interpretive displays and a slide program with project information.

Site and Program Features: The Cave Run Lake Project is an 8,270-acre flood control project jointly managed and operated by the U.S. Forest Service and the Corps of Engineers. The project's lake, dam and multitude of recreation areas are its major features.

(450)

Fort Campbell Nature Center

Outdoor Recreation Branch
Fort Campbell, KY 42223-5000
(502) 798-2741 FAX: (502) 798-5590
Director: Wes Marquess
Operator: Dept. of Army

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: 7:30-6:00 Exhibits open weekends April-October Annual budget $50-100,000. 1 Full-time staff. 45 Acres. Camping. Fees charged for facility use.

Mission: To develop an awareness of the miracles of nature, the intricate balance of life and to educate our visitors to appreciate and protect their planet earth.

Site and Program Features: Our site consists of approximately 45 acres with lake and creek. Programming available for groups by reservation. Exhibits are often free of charge to the general public on weekends, April through October. Our facility includes a greenhouse, herb garden and rope course.

(451)

Hardin Planetarium

Western Kentucky Univ.
Bowling Green, KY 42101
(502) 745-4044
Director: Paul B. Campbell
Operator: Commonwealth of Kentucky

Open to youth groups and the general public. Day programs. Open every day. Hours: M,W,F 8-4:30; T,Th 8-8:30; Sun 2-3:30 Seasonal changes in schedule. Closed on major holidays. Annual budget $50-100,000. 3 Full-time staff.

(452)

Land Between the Lakes

Tennessee Valley Authority
Van. Morgan Dr.
Golden Pond, KY 42231
(502) 924-5602
Director: Charles Buffington
Contact: Larry Conti, Supervisor of Ed.

Open to youth groups and the general public. Conference facilities. Day and multi-day programs. Open every day. Hours: 9-5. Seasonal changes in schedule. Annual budget more than $1,000,000. 11 Full-time staff. 7000 Acres. Lodging. Camping. Fees charged for facility use.

Mission: The education program serves as a training area for teachers and others in the fields of environmental education, natural and cultural history, and resource management. Its intent is to teach awareness and interrelationships of the natural world to people in the above fields as well as to the general public.

Site and Program Features: The program includes a nature center with live animal displays, a series of trails, an outdoor education resident facility, and a demonstration farm within a 5,000-acre area set aside for education. Other features on the project are an 1850's homestead, a larger resident center, and a planetarium-observatory-multi-media theater.

Land Between the Lakes nature center

(453)

Lilley Cornett Woods

HC 63, Box 2710
Skyline, KY 41851
(606) 633-5828
Contact: Michael Brotzge, Superintendent
Operator: Eastern Kentucky University

Open to youth groups and the general public. Day programs. Open every day. Hours: 8-4:30 Open weekend only 4/1-5/15, 8/15-10/31 Annual budget $50-100,000. 2 Full-time staff. 554 Acres.

Mission: Our goals are to protect and preserve the woods while providing a place for scientific research and an opportunity for the public to see the woods.

Site and Program Features: Lilley Cornett Woods contains about 300 acres of old-growth forest. Guided tours are given through the woods to help people appreciate this unique area.

Unique Features: Our site features approximately 300 acres of virgin timber.

(454)

The Living Arts Science Center

362 Martin Luther King Dr.
Lexington, KY 40508
(606) 255-2284
Director: Marty Henton
Contact: Kathy Roberts, Science Coordinator

Open to youth groups and the general public. Conference facilities. Day programs. Open every day except Sunday. Hours: M-F 9-4; Sat. 10-3 Seasonal changes in schedule. Annual budget $100-250,000. 6 Full-time staff. 2 Acres. Newsletter.

Mission: Our mission is to provide educational opportunities in art and science through classes, exhibits, and outreach.

Site and Program Features: Our site features a historic home built in 1847; adaptive reuse of space to provide an educational, creative environment for 2-year-olds to adults and to include special needs.

(455)

Maywoods Environmental and Educational Laboratory

Rt. 2
Crab Orchard, KY 40419
(606) 925-2274 FAX: (606) 622-1020
Director: William H. Martin
Contact: Homer Strong, Manager
Operator: Eastern Kentucky University

Open to youth groups and the general public. Conference facilities. Day programs. Open every day except Monday, Sunday. Hours: 8-5 Closed on major holidays. Annual budget $50-100,000. 4 Full-time staff. 1740 Acres. Lodging. Camping. Fees charged for facility use.

Mission: Maywoods is designed for use by educational groups. Long-term goals are development of an educational program emphasizing ecology as a science with instruction concentrating on ecological concepts and principles.

Site and Program Features: Maywoods is 1,740 acres of oak-hickory forest. On-site staff are available for group assistance and food service. Conference/educational area is 1,800 sq. ft.

(456)

Nature and Conservation Center

Box 7414
Louisville, KY 40207
(502) 429-9666
Director: Nancy Theiss

Open to youth groups and the general public. Conference facilities. Hours: Scheduled programs available. 41 Acres. Newsletter.

Mission: To create an awareness of the natural history of Kentucky and appreciation for life.

Site and Program Features: Interesting setting in an urban environment.

Pennyrile Forest State Resort Park

(457)

Owensboro Area Museum

2829 S. Griffith
Owensboro, KY 42301
(502) 683-0296
Director: Donald Boarman

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: M-F 8-4:30; Sat.-Sun. 11-4 Closed on major holidays. Annual budget $100-250,000. 5 Full-time staff. 20 Acres. Newsletter.

Mission: The Owensboro Area Museum occupies a modern facility on three acres planted in native labeled trees. The exhibits reflect an emphasis on the history of the western Kentucky area. Across town the museum operates a 14-acre nature preserve with a reception center, nature trails and an abundance of native wildflowers and birds.

Site and Program Features: We believe an interest in and respect for natural science and the environment must be developed in our youth, and that we, as all institutions of our type, have that obligation.

(458)

Pennyrile Forest State Resort Park

20781 Pennyrile Lodge Rd.
Dawson Springs, KY 42408
(502) 797-3421
Contact: Dean Henson, Naturalist
Operator: Kentucky Dept. of Parks

Open to youth groups and the general public. Conference facilities. Day and multi-day programs. Open every day. Seasonal changes in schedule. Annual budget $250-500,000. 11 Full-time staff. 15,000 Acres. Lodging. Camping.

Mission: The Kentucky Dept. of Parks will offer new options of leisure time choice for individuals and will facilitate enriching and memorable experiences for each visitor while contributing to the prospered health and betterment of our society. We will provide quality facilities and programs for the citizens of the state, while striving to protect the value of our parks as great historical, cultural, and natural resources.

Site and Program Features: The program offered at this facility attempts to maintain a balance of both recreational and interpretive opportunities. We offer something for everyone, whatever the interest. We are also located in a most historic locality in western Kentucky, making cultural-historical experiences possible. Enjoy the serenity of a vast, unspoiled woodland. Enjoy Pennyrile!

Unique Features: This is the largest state forest in Kentucky.

(459)

Pine Mountain Settlement School

Pine Mountain, KY 40810
(606) 558-3542 or 3571
Director: Paul Hayes
Contact: Ben Begley, Dir., Environ. Ed.

Open to youth groups and the general public. Conference facilities. Day and multi-day programs. Open every day. Hours: 8-6 Seasonal changes in schedule. Closed on major holidays. Annual budget $250-500,000. 4 Full-time staff. 800 Acres. Lodging. Fees charged for facility use.

Mission: To present environmental education not as a single subject, but as an integral part of all subjects. We hope to help students learn by involvement and discovery in the outdoor classroom, rather than merely hearing and reading. Emphasis is placed on the cultural, physical and living environment and the role of responsible stewardship to insure its future.

Site and Program Features: Pine Mountain is located in the rugged mountains of Eastern Kentucky and consists of nearly 800 acres. Its unique natural habitat (forests, streams, fields, and farmlands), classrooms, plant center, Indian cave, dining hall, dormitory, chapel, library, and museums will provide students a unique opportunity to study the environment and culture of the Eastern deciduous forests.

Unique Features: The facility lies at the foot of the Pine Mountain overthrust fault in eastern Kentucky. The mountain rises over 1,000' from the campus on the steep north slope. Many layers of Pennsylvanian and Mississippian sandstones and shales are easily observable as well as coal deposits.

(460)

Spencer Morton Preserve

Div. of Natural Areas, Eastern Kentucky Univ.
Richmond, KY 40475
(606) 622-1476 FAX: (606) 622-1020
Director: William H. Martin
Operator: Kentucky Nature Preserves Commission

Open to youth groups and the general public. Day programs. Annual budget less than $10,000. 303 Acres.

Mission: Spencer-Morton Preserve is a Kentucky Nature Preserve with the mission of preserving a state natural area, its native plants and animals and their habitats. It is available to the public for passive recreation and informal environmental education.

Site and Program Features: Spencer-Morton Preserve is one of three natural areas managed by the Division of Natural Areas. The preserve is a part of a system of natural areas managed for environmental education and ecological research.

Unique Features: Our site features a promontory for viewing three physiographic sections of Kentucky.

(461)

Wickliffe Mounds Research Center

PO Box 155
Highway 51 West
Wickliffe, KY 42087
(502) 335-3681
Director: Kit W. Wesler
Operator: Murray State University

Open to youth groups and the general public. Day programs. Open every day. Hours: 9-4:30 Closed Dec.-Feb. Annual budget $50-100,000. 2 Full-time staff. 20 Acres. Fees charged for facility use.

Mission: We are an archaeological research center and museum based on a significant village site of the Mississippian period, AD 1000-1300. Our goals are research, preservation of the site and artifact collections, and public education through museum exhibits, guided tours and student and volunteer training.

Site and Program Features: The base of our exhibits is a set of covered archaeological excavations, which give a direct experience on how artifacts are found and interpreted. Archaeologists are on staff to answer questions, and summer excavations are open to volunteers and to view by all visitors.

Unique Features: We are sited on an archaeological site, with several prehistoric (Mississippian - AD 1000-1300) mounds.

Small wonders from a hidden world come to light during a stream study. Photo courtesy of Land Between the Lakes (see p.126).

(462)

Walter B. Jacobs Memorial Nature Park

8012 Blanchard Furrh Rd.
Shreveport, LA 71107
(318) 929-2806
Director: Larry R. Raymond
Operator: Caddo Parish Commission

Open to youth groups and the general public. Day programs. Open every day except Monday, Tuesday. Hours: W-Sat. 8-5; Sun. 1-5 Closed on major holidays. Annual budget $25-50,000. 2 Full-time staff. 160 Acres.

Mission: To preserve a small sample of a pine-oak-hickory forest community for the citizens of the Ark-La-Tex area to be used for nature study and enjoyment of the out-of-doors. Outdoor education programs are provided, stressing awareness of the local environment and emphasizing the need for positive environmental action.

Site and Program Features: We provide programs emphasizing the local environment and man's impact on it, as well as man's responsibilities toward the environment and other living things to school groups, scout groups, church groups, garden clubs and other local community organizations. We also function as a center for the identification of local plants and animals and provide advice and assistance regarding native species.

Unique Features: Besides a gently rolling terrain and an abundance of plant and animal life, the park boasts two beautiful natural streams known as Shetteworth and Fordney Creeks.

(463)

Lafayette Natural History Museum

637 Girard Park Dr.
Lafayette, LA 70503
(318) 268-5544 FAX: (318) 261-8041
Director: James A. Whelan
Operator: City of Lafayette

Open to youth groups and the general public. Day programs. Open every day. Hours: M-F 9-5; T till 9; Sat.-Sun. 1-5 Closed on major holidays. Annual budget $250-500,000. 8 Full-time staff. 50 Acres.

Mission: (1) Increase public awareness and promote education of the sciences, environment and area culture; (2) serve as an informational bridge between government, the academic and research community and general public providing information on cultural and environmental issues of importance to the region; (3) stimulate new projects which make people more aware of their environment; (4) establish collections of natural history and regional cultural artifacts.

Site and Program Features: The Lafayette Natural History Museum serves as both the community museum and as a resource center for science, environmental and cultural education for southwestern Louisiana. The Nature Station offers a 50-acre natural area for in-depth environmental education and the museum offers exhibits on science and local culture, plus a planetarium.

Unique Features: The Nature Station is located on the western edge of the Mississippi River flood plain. The grounds go from flood plain forest up to the pleistocene terrace.

(464)

Louisiana Nature & Science Center

P.O. Box 870610
New Orleans, LA 70187-0610
(504) 246-5672
Director: Dr. Robert A. Thomas

Open to youth groups and the general public. Conference facilities. Day programs. Open every day except Monday. Hours: T-F 9-5; Sat-Sun 12-5. Closed on major holidays. Annual budget $500K-1,000,000. 12 Full-time staff. 86 Acres. Fees charged for facility use. Newsletter.

Mission: The LNSC mission is to heighten an awareness of man's place in the world and of the interdependence of all living things within the ecosystem; to stress education as a principal means of creating a better understanding of the natural environment, to be a resource of natural science information, and to foster a sense of stewardship for the natural world.

Site and Program Features: The LNSC is located on an 86-acre bottomland hardwood forest in an urban area of eastern New Orleans, with swamps, marshes, native wildlife, trees, and wildflowers. The Interpretive Center with its hands-on exhibits, planetarium, science resource center, botany center, and aerospace exhibits and programs provides for a wide range of programming and activities using the natural surroundings to teach the sciences.

Unique Features: Wilderness area within an urban/suburban environment.

(465)

Museum of Natural Science

Louisiana State Univ.
Baton Rouge, LA 70803
(504) 388-2855
Director: Dr. Mark S. Hafner
Contact: Dr. Douglas Rossman, Education Coordinator
Operator: Louisiana State Univ.

Open to youth groups and the general public. Day programs. Open every day except Sunday. Hours: M-F 8-4; Sat. 9:30-1 Closed on major holidays. Annual budget $250-500,000. 6 Full-time staff. Newsletter.

Mission: We are primarily a research museum. Our collections of vertebrate animals are of international stature, and are used exclusively by research scientists. We are in the process of expanding our public exhibits and public outreach programs.

Site and Program Features: Our major program strength is vertebrate research and research collections.

An attractive boardwalk invites people to, "C'mon in!" and see what is being offered. Photo courtesy of Louisiana Nature and Science Center, Inc.

Rafting through the Delaware Water Gap, one of many wilderness immersion experiences which can help people develop a feeling of being an integral part of the natural world.

(466)

Aquarium-Maine Dept. Marine Resources

McKown Point
W. Boothbay Harbor, ME 04575
(207) 633-5572 FAX: (207) 633-7109
Director: Jean Chenoweth
Operator: Maine Dept. of Marine Resources

> Open to youth groups and the general public. Day programs. Open every day. Hours: 9-5 Open Memorial Day to Columbus Day. Annual budget less than $10,000. 1 Acre.

Mission: This is a small marine aquarium dedicated to exhibiting native Gulf of Maine species, with informational exhibits on their biology and fisheries. Free admission.

Site and Program Features: Touch tank for children, shark tank, and picnic area with spectacular views of the harbor and boats.

(467)

The Chewonki Foundation

RR 2, Box 1200
Wiscasset, ME 04578
(207) 882-7323
Director: Tim Ellis
Operator: Chewonki Foundation

> Open to youth groups. Conference facilities. Day and multi-day programs. Open every day. Seasonal changes in schedule. Annual budget more than $1,000,000. 36 Full-time staff. 400 Acres. Lodging. Camping.

Mission: All Chewonki Foundation programs encourage participants to develop their personal potential, gain a sense of community, and heighten their interest in and understanding of the natural world. Chewonki offers a wide variety of programs. Through outreach programs, 24,000 students are served in their classrooms; 2,400 are served in five-day residential environmental education camping programs; 240 experience the summer camp which stresses natural science, wilderness trips, and sailing; family wilderness trips, Elderhostel trips, and executive seminars in human values are also offered. On-site programs are located on a 400-acre peninsula with a working farm, natural history center and library, dining center, and all of the resources of the summer camp.

Site and Program Features: Our site features a natural history education, challenge education, community building, 400-acre peninsula on the coast of Maine and a natural history center.

Unique Features: Located on a 400-acre coastal peninsula.

(468)

Children's Museum of Maine

746 Steven's Ave.
Portland, ME 04103
(207) 797-5484
Director: Tony Mollica
Contact: Ellen Walsh, Museum Mgr./Ed. Dir.

> Open to youth groups and the general public. Day programs. Open every day. Hours: 9:30-4:30 Closed on major holidays. Annual budget $100-250,000. 3 Full-time staff. 20 Acres. Fees charged for facility use. Newsletter.

Mission: Our purpose is to enhance the education of the children of the State of Maine and to develop their awareness of the world around them through exploration in the arts, humanities, nature and sciences and for that purpose to maintain a facility with an atmosphere for enjoyable learning.

Site and Program Features: We are the only child-oriented museum in Maine that encourages visitors to use all their senses as windows to our world. We promote the healthy interaction of parents with their children in a fun, non-threatening environment. There is no natural history museum in Maine, so we offer exhibits, workshops and outreach programs to educate the children of Maine in science.

Unique Features: We are in an old New England house in suburban Portland. Portland itself is on the coast.

(469)

Maine Audubon Society

118 Rt. One
Falmouth, ME 04105
(207) 781-2330
Director: Thomas Urquhart
Contact: Maureen Oates, Dir. of Ed.

> Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: 8:30-5:00 Seasonal changes in schedule. Annual budget more than $1,000,000. 12 Full-time staff. 70 Acres. Newsletter.

Mission: Maine Audubon Society monitors the public and private decision makers who affect our environment. With the help of the Research and Policy Analysis Department, our Advocacy Department works with the legislature, the business world and the courts to correct potentially damaging situations. The Environment Education Department works with children, teachers, and the general population to develop awareness, caring and understanding of the natural world and our relationship with it.

Site and Program Features: Maine Audubon Society has 15 sanctuaries, some on or near the coast and some inland in forested areas of the state. Currently, programs are offered on four sites. Self-guiding trails are available at several locations. Some are primarily wildlife sanctuaries.

(470)

Maine Conservation School

PO Box 188
Bryant Pond, ME 04219
(207) 665-2068
Director: Leslie Gamble

Open to youth groups and the general public. Conference facilities. Multi-day programs. Open every day. Annual budget $50-100,000. 1 Full-time staff. 150 Acres. Lodging. Fees charged for facility use. Newsletter.

Mission: The Maine Conservation School is committed to providing quality environmental education for the people of New England. Through discovery learning participants are exposed to natural history and conservation education in a residential setting. As a result of these direct experiences, students will gain knowledge and awareness of our outdoor heritage. Our goal is to have people make informed, responsible decisions on issues that affect the future of the environment.

Site and Program Features: The School is located on the south shore of Lake Christopher in the beautiful mountain region of western Maine. The campus consists of three major buildings one which houses dining facilities and a large meeting space, one which provides sleeping quarters, and a third which has classrooms, a library and some staff housing. It is rich in diverse physical features and natural habitats, providing an excellent environment for conservation study.

Unique Features: The Conservation School is located on a terrace with many glacially derived features in the immediate area of the foot hills of western Maine.

(471)

Mt. Desert Oceanarium

Clark Point Rd
Box 696
Southwest Harbor, ME 04679
(207) 244-7330
Director: David Mills

Open to youth groups and the general public. Day programs. Open every day except Sunday. Hours: 9-5 Open Mid-May - Mid-Oct. 2 Full-time staff. Newsletter.

Site and Program Features: This is a small participatory marine aquarium in which people come face to face with native coastal sealife and commercial fishing.

(472)

Petit Manan National Wildlife Refuge

Box 279
Milbridge, ME 04658
(207) 546-2124
Director: Thomas Goettel
Operator: U.S. Fish & Wildlife Serv.

Open to youth groups and the general public. Day programs. Open every day. Hours: Sunrise to sunset Annual budget $100-250,000. 3 Full-time staff. 2100 Acres.

Mission: Wildlife management and habitat protection, with particular emphasis on migratory birds (waterfowl, seabirds, raptors and shorebirds) and endangered species (bald eagle, peregrine falcon and roseate tern).

Site and Program Features: Over 5,000 acres of islands and a major peninsula are managed from this office. We have a broad range of coastal habitats, from spruce/fir forests to cobble beaches, presenting many opportunities for nature study, research and environmental education.

Unique Features: Petit Manan contains coastal raised peat bogs and 10 miles of rocky shoreline.

(473)

Stone Environmental Schools at Bridgton

Box 794
Bridgton, ME 04009
(207) 647-5454
Director: Duane Bond
Operator: Stone Environmental Schools

Open to youth groups. Multi-day programs. Open every day except Saturday, Sunday. Closed in summer Annual budget $250-500,000. 1 Full-time staff. 5 Part-time staff. 750 Acres. Lodging. Fees charged for facility use.

Mission: Stone Environmental Schools is a private non-profit organization that works with over 100 elementary, middle and junior high schools from all over New England. Our five-day residential program, focusing on a sensory awareness approach to environmental education, utilizes a wide variety of natural areas. Subjects offered include: forest lesson, freshwater stream and pond investigation, astronomy, night walks, sensory awareness, group dynamics, human impact on the environment and optionals.

Site and Program Features: Stone Environmental Schools at Bridgton, Maine, features chalet accommodations for students and teachers, which offer spectacular views of the Presidential Range of the White Mountains. Abundant wildlife, such as deer and moose, inhabit this pristine wilderness area.

(474)

Stone Environmental Schools at Ocean Park

Royal St.
Ocean Park, ME 04063
(207) 934-4064
Director: Duane Bond
Operator: Stone Environmental Schools

Open to youth groups. Multi-day programs. Open every day except Saturday, Sunday. Not open during summer. Annual budget $250-500,000. 1 Full-time staff. 200 Acres. Lodging. Fees charged for facility use.

Mission: Stone Environmental Schools is a private, non-profit educational organization that works with over 100 elementary, middle and junior high schools from all over New England. Our five-day residential program, focusing on a sensory awareness approach to environmental education, utilizes a wide variety of natural areas. Subjects offered include: ocean study, salt marsh study, tidepool investigation, forest lesson, astronomy and optionals.

Site and Program Features: Stone Environmental Schools at Ocean Park, Maine, features a sandy beach and salt marsh within a short walking distance; an old growth forest which borders the Rachel Carson National Wildlife Refuge; and a permanent activity center with exhibits and a library. For over 30 years, Stone has operated a successful program which blends hands-on learning and academic techniques.

Feelings of love, companionship and sharing generated in an outdoor setting will help guide this child's emotional growth. He will probably share similar experiences with his children, too. Photo courtesy of the Forest Preserve District of DuPage County, IL.

(475)

30th Street Nature Center

4210 30th St.
Mt. Rainier, MD 20712
(301) 927-2163
Director: Marie Brooks-Deamud
Contact: Lisa Bierer, Park Naturalist
Operator: Maryland National Capital Park/Planning

Open to youth groups and the general public. Day programs. Open every day except Monday, Sunday. Hours: T-F 2:30-5; Sat. 1-5 Summer Daycamp: M-Sat. Annual budget $100-250,000. 2 Full-time staff. 1 Acre. Camping. Newsletter.

Mission: Open since 1977, 30th Street Nature Center has geared its programs to educating the general public about the natural world to be found nearby, with timely exhibits, live animals, trips and programs, a cable television show called "Maryland Outdoors Magazine" and a staff of naturalists ready to answer questions of the naturally curious.

Site and Program Features: We are the only urban nature center in the Maryland area. We bring nature classes, teen programs, senior and birding trips to a very urban area, just outside Washington, DC. We have terrific community support in our recycling programs, teen cable crew, urban tree trail project and our summer nature day camps; and we are expanding our programs to include our new community park trails as well as boat trips on the Anacostia River.

Unique Features: 30th Street is an urban nature center, in a converted house that sits on a street near Washington, DC. We cater to walk-ins, have a small park, landscaped with a variety of native trees, a playground with water fountain at the site (we plan a major renovation in the next 2 years). We also have a nature study site that was a landfill converted to Colmar Manor Community Park. It is located 2 miles away from center, with 5 acres of trails, ponds, playgrounds, recreational facilities such as tennis and ball fields.

(476)

Arlington Echo Outdoor Education Center

975 Indian Landing Rd.
Millersville, MD 21108
(301) 987-1330
Director: Russell J. Heyde
Operator: Anne Arundel County Public Schools

Open to youth groups. Day programs. Open every day. Closed on major holidays. Annual budget $500K-1,000,000. 8 Full-time staff. 23 Acres. Lodging.

Mission: The mission of the Outdoor Education Program is to instill a positive value system toward the natural environment and to assist in the development of an environmental ethic.

Site and Program Features: Ninety percent of the population of Anne Arundel County is within 30 minutes drive of the center. Funding is totally by the Board of Education and the county government.

(477)

Assateague Island National Seashore National Park Service

Rt. 2 Box 294
Berlin, MD 21811
(301) 641-1443 FAX: (301) 641-1099
Director: Roger K. Rector
Contact: Christopher Seymour, Interp. Specialist

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: Visitor Ctr. 8:30-5; Park 24 hrs. Closed on major holidays and Thanksgiving & Christmas 30 Full-time staff. 17,775 Acres. Camping. Fees charged for facility use.

Mission: To instill an environmental/conservation ethic in the general public, specifically regarding the preservation of barrier island ecosystems, such as Assateague Island National Seashore, for future generations.

Site and Program Features: Assateague Island is a 37-mile-long Atlantic Coast Barrier Island, with surf/beach, inner dune, shrub, forest, marsh, and bay ecosystems, and their associated animals and plants. Most famous are the wild horses which inhabit the island.

Unique Features: A 38 mile long Atlantic Coast barrier island, habitat for numerous wild plants and animals, including the Assateague Island ponies.

(478)

Audubon Naturalist Society

8940 Jones Mill Rd.
Chevy Chase, MD 20815
(301) 652-9188
Director: Hobson R.A. Calhoun
Contact: Beth Cranmer, Administrative Asst.

Open every day. Hours: Dawn to dusk Closed on major holidays. 20 Full-time staff. 40 Acres. Newsletter.

Mission: Our goal is to increase public awareness of the natural environment and to encourage participation in efforts to preserve and renew our natural resources. Environmental education programs for all ages and an active conservation program are at the heart of the society's work.

Site and Program Features: Woodend, the society's 40-acre historic estate in nearby Chevy Chase, Maryland, is a haven for wildlife in the midst of increasing development. The society manages the property to preserve a variety of habitats in woods, fields, and thickets.

ARLINGTON ECHO
OUTDOOR EDUCATION CENTER

(479)

Battle Creek Nature Center

c/o County Courthouse
Prince Frederick, MD 20678
(301) 535-5327

Director: Dwight Williams
Operator: Calvert County

Open to youth groups and the general public. Day programs. Open every day except Monday. Hours: April-Oct. 10-5; 10-4:30 rest of year Seasonal changes in schedule. Annual budget $100-250,000. 3 Full-time staff. 120 Acres. Newsletter.

Mission: Our basic mission is to better acquaint people with the natural world, hopefully, helping them gain a greater appreciation of the intricate workings of the environment, their relationship to the environment and our human responsibility in its maintenance.

Site and Program Features: Our primary site is a bald cypress swamp that was preserved by The Nature Conservancy at the urging of local citizens over 20 years ago. Local support is a major strength. Being able to change visitors' attitudes towards "swamps" is a fulfilling task.

(480)

Blackwater National Wildlife Refuge

Rt. 1, Box 121
Cambridge, MD 21613
(301) 228-2677

Director: Hal Laskowski
Contact: Terry Villanueva, Asst. Refuge Manager
Operator: U. S. Fish and Wildlife Service

Open to youth groups and the general public. Day programs. Open every day. Hours: 8-4 (M-F); 9-5 (Sat-Sun) Closed on major holidays. 5 Full-time staff. 17,000 Acres. Fees charged for facility use.

Mission: Blackwater National Wildlife Refuge provides habitat for migrating and wintering waterfowl and three endangered species (Bald eagle, Delmarva fox squirrel and Peregrine falcon). Wildlife-oriented public use is permitted when compatible with the above objectives.

Site and Program Features: Visitors may drive, bike or hike the 5-mile Wildlife Drive which has two short walking trails and observation tower. Visitor Center offers wildlife exhibits and films are shown in the auditorium. Special refuge programs may be scheduled in advance for organized groups.

(481)

Brookside Nature Center

1400 Glenallan Ave.
Wheaton, MD 20902
(301) 946-9071

Director: Robert K. Gregory
Contact: Robert W. Gibbs, Sr. Park Naturalist
Operator: MD Natl. Capital Pk. & Plan. Commission

Open to youth groups and the general public. Conference facilities. Day programs. Open every day except Monday. Hours: 9-5; except Sun. 1-5 Closed on major holidays. Annual budget $100-250,000. 6 Full-time staff. 500 Acres. Newsletter.

Mission: To provide outdoor education, learning opportunities, public information dissemination through personal contacts and active hands-on environmental programming for any interested citizen of the area.

Site and Program Features: Special features include: (1) outdoor rock amphitheatre, (2) 150-seat woodlined amphitheatre, (3) log cabin/smoke house/heritage, (4) 2-acre meadow, (5) apiculture area, (6) annex/offices, (7) hiking trail network, (8) 3/4-acre environmental study pond, (9) 3,000-square-foot natural history museum, and (19) self-guided nature trail.

(482)

Calvert Marine Museum

PO Box 97
Solomons, MD 20688
(301) 326-2042

Director: Dr. Ralph Eshelman
Contact: Craig DeTample, Curator of Education
Operator: Calvert County Government

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: 10-5; except 12-5 Sun Oct-Apr 10-4:30 Mon-Fri; 12-4:30 Sat-Sun Closed on major holidays and Thanksgiving, Christmas, New Years Annual budget $500K-1,000,000. 14 Full-time staff. 7 Acres. Newsletter.

Mission: The Calvert Marine Museum is a county-funded, non-profit organization emphasizing local maritime history, paleontology, and estuarine biology. Our goal is to provide the general public with a comprehension of the rich cultural and natural history of the region by interpreting and displaying maritime and fossil artifacts and maintaining live natural history exhibits.

Site and Program Features: The museum is composed of a 29,000-sq.-ft. main exhibition building containing maritime history, paleontology and estuarine biology exhibits. Museum facilities also include an extensive library, a small craft shed containing historic watercraft, a restored 1880s screwpile lighthouse, a restored 1930s oyster packing house, a tour boat (restored turn-of-the-century oyster buyboat) and interpretive walkways through artificially created salt and freshwater marshes.

Unique Features: The Calvert Marine Museum is situated on the waterfront at Solomons Island, Maryland. The site contains a boat basin with restored historic vessels, an original screwpile lighthouse and fresh and saltwater marshes.

(483)

Camp Wright

Rt. 2, Box 380
Stevensville, MD 21666
(301) 643-4171
Director: Robert D. Campbell
Contact: Mark/Terry Wilhelm, Caretakers
Operator: Diocese of Easton

Open to youth groups and the general public. Day and multi-day programs. Open every day. Closed Nov. thru April 15. Annual budget $100-250,000. 150 Acres. Camping. Fees charged for facility use.

Mission: Camp Write exists to offer opportunities for the growth of individuals within the Christian community in the natural setting of the Chesapeake Bay. The woods and the bay provide a setting ideal for reflection on the meaning of God as Creator.

Site and Program Features: The Camp Wright program and activities are planned to provide the possibility for individuals to grow and develop in mind, body, and spirit within a group of persons who are committed to Jesus Christ.

(484)

Carrie Murray Outdoor Education Campus

1901 Ridgetop Rd.
Baltimore, MD 21207
(301) 396-0808
Director: Gail Abrams
Operator: Baltimore City Dept. of Rec. & Parks

Open to youth groups and the general public. Day and multi-day programs. Open every day except Saturday, Sunday. Hours: 8:30-4:30 Annual budget $100-250,000. 4 Full-time staff. 1200 Acres. Fees charged for facility use. Newsletter.

Mission: The Carrie Murray Outdoor Education Campus is an outdoor classroom, a place where people can experience nature with a "hands on" approach. It is important to us that the people who leave our center learn to appreciate the environment and to also take care of it.

Site and Program Features: Our live animal program and raptor awareness program are our most popular programs. The habitat around our facility allows a wide range of activities to take place, from wetlands and streams to woodlands.

Unique Features: This site is located in a 1,200-acre wilderness located within the city limits.

(485)

Chesapeake Indian Lifeways Center

Historic St. Mary's
City Box 39 St.
Mary's City, MD 20686
(301) 862-9891 or 0990
Director: Burt Kummerow
Contact: Robert Shaw, Naturalist
Operator: State of Maryland

Open to youth groups and the general public. Day programs. Open every day. Hours: 10-5 Spring & Fall open Sat.-Sun. Only. 1 Full-time staff. 66 Acres. Fees charged for facility use. Newsletter.

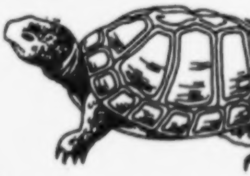
Mission: Our primary purpose is to investigate and interpret the natural history of St. Mary's City and southern Maryland, including the changing relationship between aboriginal, colonial and modern culture and the local environment, with the greatest emphasis on the lifeways of the Late Woodland period Indians.

Site and Program Features: We feature an authentically reconstructed Indian longhouse and garden plots. We offer hands-on, experiential programs, leading participants to discover authentic Indian foods, tool use and building techniques, seasonal cycles and other aspects of pre-colonial existence. We also aim to replace stereotypes with more fair and accurate representations of Indians and their culture.

Unique Features: Set on the St. Mary's River; woods, fields and beaches, and Miocene fossil bluffs.

(486)

Clearwater Nature Center



11000 Thrift Rd.
Clinton, MD 20735
(301) 297-4575
Director: Sandy Lyon
Contact: John Zyla, Park Naturalist
Operator: Maryland-National Capital Parks/Planning

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: M-F 8:30-5; Sat. 9-4; Sun. 11-4 Closed Sundays Nov.-Apr. Closed on major holidays. Annual budget $100-250,000. 3 Full-time staff. 500 Acres. Newsletter.

Mission: Our mission is to provide youths and adults the opportunity to gain knowledge, enjoyment, appreciation and a sense of stewardship of our natural and historical environment. We protect the flora, fauna, and natural areas of Prince George's County.

Site and Program Features: Clearwater Nature Center is located in the 500-acre Cosca Regional Park. The Coastal Plain Forest and creeks are home to a wide variety of flora and fauna. We offer programs to study local wildlife and wildflowers. Special programs are available for school and youth groups.

Unique Features: Clearwater Nature Center is located within Cosca Regional Park. Unique features include large ravines and many small creeks and a lake. The facility is a unique octagon lava rock center.

(487)

Cylburn Arboretum

4915 Greenspring Ave.
Baltimore, MD 21209
(301) 396-0180
Director: Gerard J. Moudry
Operator: Baltimore City

Open every day. Hours: 6-9 Annual budget $10-25,000. 176 Acres.

Mission: Our mission is to be a resource of information for the public concerning horticultural and nature information.

Site and Program Features: We feature an outdoor setting that is within the city and just ten minutes from the center of the city. The programs are very flexible and adaptable.

(488)

Fairview Outdoor Ed. Center

Rt. 2, Box 120
Clear Spring, MD 21722
(301) 842-2151
Director: Gregory A. Wilkes
Operator: Washington County Board of Ed.

Open to youth groups and the general public. Day and Multi-day programs. Open every day. Seasonal changes in schedule. Annual budget $500K-1,000,000. 4 Full-time staff. 100 Acres. Lodging. Fees charged for facility use.

Mission: Fairview is a place where children, teachers and members of the community come to learn more about the environment in which they live. The outdoor program is correlated to enhance and reinforce the regular school curriculum.

Site and Program Features: Fairview Center is school owned and operated by the Board of Education of Washington County, MD. All students in Washington County use the center. The length of programs varies from one day to one week. Fairview Center also offers a variety of day and overnight experiences for the community. The center is available for renting to non-profit organizations.

(489)

Gambrill State Park

8602 Gambrill Park Rd.
Frederick, MD 21701
(301) 473-8360
Contact: Charles Harris , Park Manager
Operator: Maryland Dept. of Natural Resources

Open to youth groups and the general public. Conference facilities. Day programs. Open Saturday, Sunday. Hours: 12-5; other times by appointment Open Memorial Day through Labor Day. Annual budget $50-100,000. 1 Full-time staff. 1100 Acres. Camping.

Mission: Our mission is to conserve our state's rich natural heritage and to provide the public with wholesome outdoor recreation.

Site and Program Features: Three stone overlooks constructed by the Civilian Conservation Corps are found in the High Knob Area of the park. There are 10 miles of hiking trails and a one-mile self-guided nature trail.

(490)

Genessee Valley Outdoor Learning Center

1700 Rayville Rd.
Parkton, MD 21120
(301) 343-0101
Director: Mary Jane Worstell

Open to youth groups. Day and multi-day programs. Open every day. Hours: 8am - 10 pm Annual budget $50-100,000. 2 Full-time staff. 300 Acres. Camping. Fees charged for facility use.

Mission: GVOLC is a non-profit educational service designed to enhance self-confidence, promote positive group dynamics, expand problem solving abilities and develop a greater sensitivity toward nature. We believe that people learn best by doing!

Site and Program Features: The rolling hills of northern Maryland create a natural barrier from the outside world of asphalt for our center. We are proud of the 300+ acres of fields, woodland and 4 lakes that support a wide variety of wildlife. Each program is tailored to meet the goals and objectives of schools, organizations, and businesses.

A group photo helps recall good times at a nature center. This class trip will be remembered a long time! Photo courtesy of Hard Bargain Farm EE Center.

(491)

Hard Bargain Farm Environmental Center

2001 Bryan Point Rd.
Accokeek, MD 20607
(301) 292-5665
Director: Kay Powell
Contact: Chris Swarth, Biologist

Open to youth groups and the general public. Conference facilities. Day and multi-day programs. Open every day. Hours: M-F 9-5; open by reservation Seasonal changes in schedule. Closed on major holidays. Annual budget $100-250,000. 8 Full-time staff. 330 Acres. Lodging. Fees charged for facility use. Newsletter.

Mission: Our goal is to instill positive environmental attitudes in school children, as well as giving youngsters an introduction to farming, land stewardship and basic ecological principles. Hands-on activities on our working farm and within the wetlands along the Potomac River illustrate the importance of preserving and appreciating our natural environment.

Site and Program Features: The Hard Bargain Farm Environmental Center is located 8 miles downstream from Washington, D.C., on the banks of the Potomac River. Corn, wheat and hay are grown as feed for our beef cattle, goats, pigs, sheep, chickens and dairy cow. Our 330 acres of hills, forests, marshes and agricultural lands provide a pristine environment for teaching school children about natural history and farming.

(492)

Hashawha Environmental Center

300 John Owings Rd.
Westminster, MD 21157
(301) 848-9040
Director: Loren W. Lustig
Operator: Carroll Co./MD Dept. Recr. & Parks

Open to youth groups and the general public. Conference facilities. Day and multi-day programs. Open every day. Hours: Sunup to sundown Annual budget $250-500,000. 2 Full-time staff. 320 Acres. Lodging. Camping.

Mission: The Hashawha Environmental Center is a 320 acre preserve which is devoted to the goals of environmental education, conservation, and outdoor recreation. Hands-on experiences are available for school groups, family groups, and the general public in a wide array of activities relating to nature lore, conservation, and wise use of natural resources. Hashawha cooperates actively with other conservation and environmental education facilities and agencies and is frequently the host for various symposiums and institutes.

Site and Program Features: Hashawha Environmental Center is the home of the Carroll County Outdoor School, a part of the Carroll Co. Board of Education. As such, we provide environmental education in a residential format for all 6th grade classes from this Maryland County. In addition, Hashawha is currently developing a 4000 sq. foot nature center (the "Bear Branch Nature Center") to provide programming designed especially for family groups. Hashawha is frequently used as a demonstration site for concepts relating to energy conservation, multiple use of natural resources, and habitat management.

Unique Features: Hashawha, which means "Old fields" has an active program to save the meadow communities on the 320 acre site. We do this through controlled burning and mowing. In addition, we have developed a native wildflower meadow (5 acres in size) which demonstrates some 30 species of native N.A. wildflowers.

(493)

Hawk's Reach Nature Center

23701 Frederick Rd.
Clarksburg, MD 20871
(301) 972-9458
Director: John M. Baines
Operator: Maryland Natl. Capitol Park & Plan Com.

Open to youth groups and the general public. Day programs. Open every day except Monday, Tuesday. Hours: 9-5 by appointment Seasonal changes in schedule. Closed on major holidays. Annual budget $50-100,000. 3 Full-time staff. 3600 Acres. Camping.

Mission: To educate the public that the natural resources of our earth provide the necessary elements, air, land and water needed for life. To instill awareness, build knowledge, and increase understanding of these resources and environmental issues. To relate how our park's natural resources help provide a healthful and fulfilling life for all.

Site and Program Features: The special feature of Little Bennett Regional Park is its size–3,600 acres. This is unusual for an urban area and affords the opportunity to do in-depth studies in a variety of habitats. The strength of our program is that it does not focus on our facility, but on the natural areas found beyond its doors.

(494)

Irvine Natural Science Center

St. Timothy's School
Stevenson, MD 21153
(301) 484-2413
Director: W. T. Dixon Gibbs, Jr
Contact: Robert Mardiney, Education Director

Open to youth groups and the general public. Day programs. Open every day except Sunday. Hours: 12-4 Summer: M-F 12-4 Annual budget $250-500,000. 5 Full-time staff. 240 Acres. Newsletter.

Mission: The Irvine Natural Science Center was established in 1975 to awaken environmental awareness and to promote the knowledge necessary for understanding environmental issues. Programs, courses, excursions, and lectures cover all areas of natural science.

Site and Program Features: The school field trip program is directly tied into the Baltimore County science curriculum. Teachers receive extensive pre/post information and activity suggestions. Gift shop has the largest selection of natural science books in the region. There is a bird banding operation. The center also produces many quality publications including the newsletter "Understory."

(495)

Maydale Nature Center

1726 Briggs Chaney Rd.
Silver Spring, MD 20904
(301) 384-9447
Director: Robert Gregory
Contact: Lynette Scaffidi, Senior Naturalist

Open to youth groups and the general public. Conference facilities. Day programs. Open every day except Monday, Sunday. Hours: 9-5 Open 6/1-8/15; programs all year. Annual budget $10-25,000. 2 Full-time staff. 19 Acres.

(496)

Meyer Station

1553 Meyer Station Rd.
Odenton, MD 21113
(301) 261-6996
Director: Buz Meyer

Open to youth groups and the general public. Day and multi-day programs. Hours: Open by appointment only. 135 Acres.

Mission: 135 acres of primitive freshwater wetland in the center of the Washington, DC, Baltimore and Annapolis triangle have been dedicated to the conservation of this natural environment in the midst of the social progress of man. The goal or mission of this "nature center" is to preserve the ecology of this precious area.

Site and Program Features: We have an educational freshwater wetland along the Big Patuxent River where one can observe the wonders of flora and fauna in their natural habitat. The four miles of walking trails take you amongst the environment where you can see, hear, feel and smell the wonders of nature.

Unique Features: Our site features a primitive freshwater wetland for nature and environmental education and study. Overnite camping is available for night workshops only.

(497)

National Aquarium in Baltimore

Pier 3
501 E. Pratt St.
Baltimore, MD 21202
(301) 576-3800 FAX: (301) 576-8238
Director: Nicholas Brown
Contact: Paula Schaedlich, Dir. Educ. & Interp.
Operator: National Aquarium in Baltimore, Inc.

Open to youth groups and the general public. Day programs. Open every day. Hours: 10-5; except Fri 10-8 Summer weekends extended hrs. Closed on major holidays and Christmas, New Years Annual budget more than $1,000,000. 125 Full-time staff. 4 Acres. Fees charged for facility use. Newsletter.

Mission: To attract all constituents and serve them by creating an attitude of respect for the environment and the ecological balance of life.

Site and Program Features: The National Aquarium in Baltimore is one of the largest and most comprehensive public aquariums in the world. In addition to its collection of more than 5,000 invertebrates, amphibians, reptiles, birds, mammals and plants, NAIB offers public programs and special programs for members and school groups.

Unique Features: Located on piers extending into Baltimore's Inner Harbor, the National Aquarium in Baltimore is one of the largest and most comprehensive public aquariums in the world.

National Wildlife Federation's CLASS Project is one of the curricula described in Appendix B.

(498)

Old Maryland Farm

Maryland National Capital Park/Comm
301 Watkins Park Dr.
Largo, MD 20772
(301) 249-7077
Director: Barbara Kern

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: M-F 9:30-2:30; Sat.-Sun. 11-4 Seasonal changes in schedule. Annual budget $50-100,000. 5 Acres. Newsletter.

Mission: Old Maryland Farm is a demonstration farm featuring livestock, organic gardens and lawn, orchard and greenhouse, and year-round nature programs. Interpretation focuses on the appreciation of our domesticated plants and animals as interesting beings, rather than as farm commodities. We point out physical features of the plant or animal that allowed adaptation to its native habitat. We motivate folks into environmentally responsible behavior.

Site and Program Features: This is a peaceful, beautiful setting where the public can relax. Lush gardens are arranged thematically, such as "Herbs for Beverages," "Medicine Chest," "Bread Basket," etc. (They are all wheelchair accessible.) We foster nature appreciation from a practical standpoint: all things that people use are derived or processed from nature. Resource conservation hits closer to home from this perspective.

(499)

Patuxent River Park

1600 Croom Airport Rd.
Upper Marlboro, MD 20772
(301) 627-6074
Director: Greg Lewis
Operator: Maryland-Natl. Capital Park & Planning

Open to youth groups and the general public. Day programs. Open every day. Hours: 8-5 Longer hours in summer. Annual budget $250-500,000. 4 Full-time staff. 2000 Acres. Camping. Fees charged for facility use.

Mission: Our goal is to protect and preserve the natural and cultural resources of the Patuxent River with a comprehensive land management plan and to provide interpretive programs and recreational activities for the public enjoyment.

Site and Program Features: The park operates on a "limited-use" basis. Only those activities that are compatible with the nature resources and protect the scenic character of the river are permitted. We promote this philosophy through a series of programs including interpretive boat tours, marshland ecology hikes, and a 4-mile self-guided driving tour.

(500)

Piney Run Nature Center

30 Martz Rd.
Sykesville, MD 21784
(301) 795-3274
Director: Melinda P. Byrd
Contact: Hofmann Sweitzer, Park Naturalist
Operator: Carroll Cnty. Dept. Recreation & Parks

Open to youth groups and the general public. Day programs. Open every day except Monday. Hours: 10-5 Nov-Mar closed weekends Closed on major holidays. Annual budget $50-100,000. 3 Full-time staff. 800 Acres. Camping. Fees charged for facility use. Newsletter.

Mission: Piney Run Nature Center strives to provide the community with environmental education to promote understanding, sound decision making as it pertains to the environment, to help the individual realize his/her role in the natural community, and to stimulate interest and curiosity in the environment.

Site and Program Features: The nature center is nestled in a mature, hardwood forest on a peninsula of Piney Run Reservoir. The environment and the staff promote a relaxed, peaceful atmosphere for the browsing visitor or school group. Creative program planning, exhibits, and newsletters bring nature nearer to the visitor. The focus is always on hands-on learning with as much time spent outdoors as possible.

(501)

Regional Center for Natural Science Learning

Gunter Hall
Frostburg State University
Frostburg, MD 21532
(301) 689-3115 FAX: (301) 228-3843
Director: Jack Slocumb
Operator: Univ. of Maryland

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: M-F 8:30-4:30 Closed on major holidays. Annual budget $50-100,000. 1 Full-time staff.

Mission: (1) To increase public awareness of the environment in western Maryland and of the region's biogeophysical relationship to the Chesapeake Bay. (2) To increase student motivation to study natural sciences and select natural science careers.

Site and Program Features: Availability of (1) state forest lands and parks; (2) Del. faculty; (3) International Institute for renewable, natural resources; and (4) resources of the U. of Md. Center for Environmental and Estuarine Studies.

(502)

Smithsonian Environmental Research Center

Box 28
Edgewater, MD 21037
(301) 798-4424 FAX: (301) 261-7954
Director: Dr. David L. Correll
Contact: A. Mark Haddon, Dir. of Public Programs

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: 8-4:30. Closed during winter. Closed on major holidays. 2600 Acres. Fees charged for facility use.

Mission: The primary goal of the Smithsonian Environmental Research Center (SERC) is ecological research focusing on the landscapes specific to the Rhode River watershed estuarine basin and central Chesapeake Bay. SERC scientists investigate the interactive processes occurring between ecosystems such as nutrient transport as well as the effects of human activities on natural ecosystems. Another component of the research at SERC is the dissemination of scientific information through professional channels as well as informal educational programs.

Site and Program Features: A unique feature of the Smithsonian Environmental Research Center is the 2,600 acres, which includes a significant part of the Rhode River watershed. Through an extensive monitoring system, SERC scientists are able to study a broad range of parameters in the different ecosystems which include upland forest, marshlands, tidal creeks, and rivers of central Chesapeake Bay. The areas under study, as well as the scientific staff, provide a good resource for educational activities, including a hands-on study of an estuary, nature walks and canoe trips.

(503)

Helen Avalynne Tawes Garden

Tawes State Office Building
Taylor Ave.
Annapolis, MD 21401
(301) 974-3717
Director: Donald T. Myers
Contact: Amy S. Henry, Naturalist
Operator: Maryland Dept. of Natural Resources

Open to youth groups and the general public. Day programs. Open every day. Hours: Dawn to dusk. Annual budget $100-250,000. 2 Full-time staff. 6 Acres.

Mission: Our goal is to educate the public in environmental awareness. We try to educate the public about Maryland's natural environments and help them gain a better appreciation of the need to conserve our natural resources for the use and enjoyment of future generations.

Site and Program Features: The Helen Avalynn Tawes Garden is a 6-acre botanical garden featuring cultivated plantings, pleasant ponds and representations of Maryland's natural communities–a western Maryland forest, a streamside environment, and an eastern shore peninsula. The garden is open to the public year-round from dawn till dusk. Guided tours are available on a reservation basis. Nature programs are available for children and adult groups.

(504)

Watkins Nature Center and Old Maryland Farm

301 Watkins Park Dr.
Upper Marlboro, MD 20772
(301) 249-6202
Director: Sydney Jacobs
Operator: Maryland Natl. Capital Park & Plan. Com.

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: 9-5; Sun. 11-4; 9-6 in summer. Closed on major holidays. Annual budget $100-250,000. 4 Full-time staff. 500 Acres. Camping. Newsletter.

Mission: The only hope for this planet's survival is to teach people to love and respect the natural world, gain a global consciousness and learn to "live lightly" in our everyday existence.

Site and Program Features: Watkins Nature Center and Old Maryland Farm are sited in Watkins Regional Park, a 500-acre suburban park just outside Washington, DC. Besides the usual programs on local natural history, we offer clubs for pre-teens, adults and families; a summer day camp; a weekend mini-camp for families; and organic gardening workshops.

MD

A "people cage" allows the viewing of wild animals roaming unrestrained in a seemingly natural, unfenced setting. Photo courtesy of the Fowler Center.

(505)

The Wildfowl Trust of North America

Perry Corner Rd
Box 519
Grasonville, MD 21638
(301) 827-6694
Director: Benedict J. Hren

Open to youth groups and the general public. Day programs. Open Friday, Saturday, Sunday. Hours: 9-5 Closed on major holidays and Christmas, New Years Annual budget $100-250,000. 3 Full-time staff. 310 Acres. Fees charged for facility use. Newsletter.

Mission: The Wildfowl Trust of North America is dedicated to fostering a public stewardship toward our dwindling wetland resources and their highly visible wildfowl through programs in recreation, education, conservation and research.

Site and Program Features: The trust's site not only focuses on the wildfowl and their wetland habitats in the Chesapeake Bay, its captive waterfowl collection is designed to increase awareness of other North American wildfowl and the real threats to their wetland homes.

Unique Features: Covered by 70% Tidal Salt Marsh, the site is surrounded by the Chesapeake Bay on three sides. Within one-hour of Washington D.C., Baltimore, MD and Wilmington, DE.

(506)

Berkshire Garden Center

Rt. 183 and 102
Stockbridge, MA 01262
(413) 298-3926
Director: Lawrence Hollander

Open to youth groups and the general public. Day programs. Open every day. Hours: 10-5 Closed on major holidays. 5 Full-time staff. 15 Acres. Fees charged for facility use. Newsletter.

Mission: Our mission is to disseminate and display information about plants which are hardy to our climactic region through our various gardens and varied educational programs. We create well-designed plantings as models, and plant interesting and unusual species and cultivars reporting our results to the public. We encourage the public to learn more about gardens, gardening, plants and the environment.

Site and Program Features: We are one of the few long-time established botanical gardens located in a rural setting. We maintain a rustic yet traditional garden which features many beautiful plantings on a variety of sites in a compact location.

(507)

The Berkshire Museum

39 South St.
Pittsfield, MA 01201
(413) 443-7171
Director: Gary Burger
Contact: Timothy Flanagan, Curator of Natural Sci.

Open to youth groups and the general public. Day programs. Open every day except Monday, Tuesday. Hours: 10-5 Annual budget $500K-1,000,000. 12 Full-time staff. Newsletter.

Mission: The mission of the natural science and history exhibits at the Berkshire Museum is to promote and foster an understanding of the natural world, human society, and the interrelation between them.

Site and Program Features: The Berkshire Museum maintains a wide variety of natural history exhibits and a vivarium featuring local and exotic fauna. Education programs are offered throughout the year to a diversified audience.

(508)

Berkshire Wildlife Sanctuaries

472 W. Mountain Rd.
Lenox, MA 01240
(413) 637-0320
Director: Rene Laubach
Operator: Massachusetts Audubon Society

Open to youth groups and the general public. Day programs. Open every day except Monday. Hours: T-Sat 9-5; Sun. 10-4 Closed on major holidays and Open Mondays in July-August Annual budget $100-250,000. 3 Full-time staff. 1450 Acres. Camping. Fees charged for facility use. Newsletter.

Mission: The Berkshire Sanctuaries are part of the Massachusetts Audubon Society. The Massachusetts Audubon Society is a voluntary association of people with a common concern: the preservation of an environment that supports both humans and wildlife. Its programs encompass four broad areas: conservation, education, research, and advocacy.

Site and Program Features: Pleasant Valley includes part of Lenox Mountain and Yokun Brook. The Sanctuary features beaver ponds, meadows, a hemlock gorge, a limestone cobble, several miles of trails and a summer trail-side museum. Canoe Meadows Wildlife Sanctuary consists of 250 acres of woods, fields, wetlands and croplands bordering the Housatonic River. It contains three miles of trails.

Unique Features: Pleasant Valley Wildlife Sanctuary: series of beaver ponds.

(509)

Blue Hills Trailside Museum

CONSERVATION
EDUCATION
RESEARCH

1904 Canton Ave.
Milton, MA 02186
(617) 333-0690
Director: Ralph H. Lutts
Contact: Caryl Simon-Katler, Asst. Dir.
Operator: Mass. Audubon/Metro. Dist. Commission

Open to youth groups and the general public. Conference facilities. Day programs. Open every day except Monday. Hours: 10-5 Closed on major holidays. Annual budget $500K-1,000,000. 20 Full-time staff. 6000 Acres. Lodging. Fees charged for facility use. Newsletter.

Mission: The Blue Hills Trailside Museum/Chickatawbut Hill Education Center provide programs on the natural and cultural history of the 6000 acre Blue Hills Reservation. Museum displays, weekend theme programs, courses, half-day, residential programs and special events enable a variety of audiences to experience this unique environment only ten miles from downtown Boston.

Site and Program Features: Trailside is located in the 6000 acre Blue Hills Reservation, and includes such diverse habitats as hilltops, forest, bog, freshwater marshes and ponds. Programs designed for school children and for families, plus a museum filled with up-to-date displays, live native wildlife and a full-time professional staff enhance our program.

Unique Features: We are based in the Blue Hills Reservation, a 6,000-acre park which includes an Atlantic white cedar bog, cedar swamp, 22 hilltops, wetlands and some unusual populations of endangered species, all within 10 miles of downtown Boston.

(510)

Broadmoor Wildlife Sanctuary

Massachusetts Audubon Society
280 Eliot St.
Natick, MA 01760
(508) 655-2296

Director: Elissa M. Landre
Contact: Lorri Marquez, Administrative Assistant

Open to youth groups and the general public. Conference facilities. Day programs. Open every day except Monday. Hours: T-F 9-5; Sat.-Sun.-Mon. holidays 10-5 Closed on major holidays. Annual budget $100-250,000. 3 Full-time staff. 600 Acres. Fees charged for facility use. Newsletter.

Mission: The land is managed, with corridors to other land, as a refuge for wildlife in a rapidly developing suburban setting. Programs emphasize outdoor, experiential nature education. The goal is to stimulate active involvement in environmental protection.

Site and Program Features: The alternative systems, including solar heat, natural lighting and composting toilets in the nature center, provide a "working exhibit." The diversity of habitat types makes the sanctuary land ideal for nature study. On-going research projects give the public a chance to see science in action, to understand how information about the environment is gathered, evaluated, and used to plan management.

Unique Features: The sanctuary borders the Charles River, which runs to Boston Harbor, features a gristmill and sawmill spillway that create waterfalls.

(511)

Buck Hill Conservation Center

RR 1, Box 265
McCormick Rd.
Spencer, MA 01562
(508) 885-2595

Contact: Peggy Jorritsma, Administrator
Operator: Worcester County Conservation District

Open to youth groups and the general public. Day programs. Open every day. Hours: Dawn to dusk Seasonal changes in schedule. Annual budget less than $10,000. 150 Acres.

Mission: To provide a conservation education program that is educationally stimulating, professionally presented and technically correct and which is consistent with the public's needs and desires. To provide at the Buck Hill Conservation Center, educational demonstrations, exhibits and literature which explain or demonstrate sound management of the soil, water, forest, wildlife, energy and air resources of the Center, to make available, throughout Worcester County, educational programs, exhibits, literature and consulting services that promote the sound management of the county's natural resources, to periodically assess the public's needs and desires in the conservation education area.

(512)

Cape Cod Museum Natural History

896 Main St., Route 6-A
Brewster, MA 02631
(508) 896-3867

Director: Susan Lindquist
Contact: Martha Gorham, Prog. Coordinator

Open to youth groups and the general public. Conference facilities. Day programs. Open every day except Monday. Hours: 9:30-4:30; except Sun 12:30-4:30 Seasonal changes in schedule. Annual budget $250-500,000. 13 Full-time staff. 50 Acres. Fees charged for facility use. Newsletter.

Mission: The goal of CCMNH is to provide quality natural history and environmental information to adults and children through classes, exhibits, programs and participation.

Site and Program Features: CCMNH has salt marsh trails, uplands habitat and ocean front beaches along with a beech forest, wildflower garden and two year old facility.

(513)

Cape Cod National Seashore

South Wellfleet, MA 02663
(508) 349-3785

Director: Herbert Olsen
Contact: Michael Whatley, Supervisory Park Ranger
Operator: Cape Cod National Seashore

Open every day. Open to youth groups. Facility does not operate in summer. Annual budget more than $1,000,000. 1 Full-time staff. 40,000 Acres. Lodging.

Mission: The NEED program offered at Cape Cod Nsational Seashore is an on site residential (overnight) program that is available for educational groups to use between the months of September and May. The program is "self-supporting" in that the group leaders do all instruction, cooking and maintenance tasks on their own. The program can accommodate 36 individuals at a time. Most groups stay for five days. Teachers or group leaders must attend a workshop in advance of use. Advanced booking is required; selections are made six months in advance. The cost is approximately $100 per day.

Site and Program Features: The Cape Cod National Seashore NEED program offers a unique opportunity for educational groups to engage in on site study of the natural and cultural resources of Cape Cod. The program is broadly designed so that it can accommodate groups from diversified backgrounds and age levels. It is "self-supporting" in that the group designs and conducts its own activities and agenda. The program can accommodate around 35 groups a year, but is limited in capacity beyond that point. Reservatins must be made on average six months in advance, and open space for new groups is often limited. For this reason there is no advantage to advertising this program on a large scale. The NEED program is in its 20th year.

Unique Features: The program revolves around features and facilities of the Cape Cod National Seashore.

(514)

Cape Outdoor Discovery

47 Old Country Rd.
East Sandwich, MA 02537
(508) 888-5353
Director: Don Dyer

> Open to youth groups. Day and multi-day programs. Open every day except Sunday. Hours: By appointment only Seasonal changes in schedule. Closed on major holidays. Annual budget $50-100,000. 1 Full-time staff. 400 Acres. Lodging. Camping.

Mission: Cape Outdoor Discovery is a non-profit environmental education organization. Our purpose is to provide outdoor learning experiences for school groups and other organizations. We offer 1-day programs and 3- to 5-day residential programs featuring wildlife ecology, marine biology, pond study, outdoor skills, group challenges and whale watching excursions.

Site and Program Features: Our field campus is located on Cape Cod. This site has woodlands, 2 ponds, a bog and is only minutes away from salt water. Our residential program includes lodging, meals, and day and evening programs. School groups range from 2nd to 8th grade. Special programs are also available to people of all ages with special needs.

(515)

Fisher Museum at Harvard Forest

Route 32
Petersham, MA 01366
(508) 724-3302
Director: Dr. John Torrey
Contact: Dr. John O'Keefe, Museum Coordinator
Operator: Harvard University

> Open to youth groups and the general public. Conference facilities. Day programs. Open every day except Saturday, Sunday. Hours: 9-5 Open Sat. May-Oct 10:00-4:00 Closed on major holidays. Annual budget $25-50,000. 1 Full-time staff. 3000 Acres.

Mission: The Fisher Museum introduces visitors to the physical, biological and cultural factors that have shaped our present forests, the management understanding needed to ensure that this resource will provide the widest benefits into the future and the role that Harvard Forest has played in developing this understanding.

Site and Program Features: The Harvard Forest dioramas, three-dimensional models portraying local land-use history (from presettlement forest through clearing to later reforestation) and forest management form the backbone of the museum. They are augmented by forest history and ecology exhibits and nature trails through the adjacent 800-acre forest where many principles can be directly observed. Special group programs can be arranged.

(516)

Garden in the Woods

Hemenway Rd.
Framingham, MA 01701
(508) 877-7630
Director: David Blanchard
Contact: Barbara Pryor, Public Relations Dir.
Operator: New England Wild Flower Society

> Open to youth groups and the general public. Day programs. Open every day except Monday. Hours: 9-4 Open April 15- Oct. 31 45 Acres. Fees charged for facility use. Newsletter.

Mission: As the Botanical Garden of the NEWFS, the Garden in the Woods is an example of the society's mission to promote the conservation of native plants and their environment through education and research in horticulture, botany and ecology.

Site and Program Features: The GITWS displays the largest landscaped collection of wildflowers in the northeast. Fifteen acres of this 45-acre sanctuary are a botanical garden, the remaining 30 acres are natural woodlands. Reserved tours for children's groups, along woodland trails encourage an awareness of our native plants, their habitats, as well as the animals, reptiles, insects, and birds that share this diverse area.

Unique Features: Unique features include: (1) 45-acre sanctuary; (2) 15 acres planted as botanical garden; (3) 30 acres natural woodland featuring a variety of natural habitats including woodland, wetland, meadow, western rock garden, and pond; (4) about 1,500 kinds of plants; (5) largest landscaped collection of wildflowers in the northeast; and (6) about 2-3 miles of trails.

(517)

Green Briar Nature Center

6 Discovery Hill Rd.
East Sandwich, MA 02537
(508) 888-6870
Director: Robert T. McMaster
Contact: John DiPersio, Public Relations Coordin.
Operator: Thornton W. Burgess Society

> Open to youth groups and the general public. Day programs. Open every day. Hours: M-Sat 10-4; Sun. 1-4 Closed Sun. & Mon. January-April Closed on major holidays. Annual budget $100-250,000. 11 Full-time staff. 3 Acres. Fees charged for facility use. Newsletter.

Mission: The Thornton W. Burgess Society's purpose is to inspire reverence for wildlife and concern for the natural environment and to carry on the pioneering educational and conservation work of Thornton Burgess, author, naturalist and native son of Sandwich.

Site and Program Features: The Green Briar Nature Center is a quiet corner of Cape Cod where the visitor can enjoy a restful walk through the unique Briar Patch Conservation Area, watch waterfowl on the waters of Boiling Springs Pond, or enjoy over 100 species of wildflowers in our gardens. The historic Green Briar Jam Kitchen still operates from May through December.

Unique Features: Unique holly-beech forest; 57-acre Briar Patch Conservation Area; 20-acre kettle pond.

(518)

Hale Reservation

80 Carby St.
Westwood, MA 02090
(617) 326-1770
Director: James E. Earley
Contact: John Fortini, Education Director

Open to youth groups and the general public. Open every day. Hours: 9-5 Seasonal changes in schedule. Annual budget $500K-1,000,000. 5 Full-time staff. 1200 Acres. Newsletter.

Mission: The mission of the Hale Reservation is to provide a variety of educational and recreational programs, while preserving and using wisely the natural resource that is the Hale Reservation. We are committed to providing opportunities for persons from the Metropolitan Boston area, with special consideration for those who may have limited access to the natural environment–including low income families, senior citizens, minority populations, and persons with special needs.

Site and Program Features: Hale has been providing environmental and adventure education programs for over 20 years. We have a very strong adventure challenge program, including ropes courses, rock climbing, canoeing and orienteering. Groups served range in age from pre-schoolers to seniors, both in schools with special populations and with the public.

Unique Features: We have a wide range of habitats, including a white cedar swamp.

(519)

Hitchcock Center for the Environment

525 S. Pleasant St.
Amherst, MA 01002
(413) 256-6006
Director: Shane Snowdon

Open to youth groups and the general public. Day programs. Open every day except Sunday. Hours: 8:30-5; except 9-5 Sat. Closed on major holidays. Annual budget $250-500,000. 7 Full-time staff. 15 Acres. Newsletter.

Mission: The Hitchcock Center's purpose is to foster a greater awareness and understanding of our environment and develop "environmentally literate" citizens. We encourage others to appreciate the natural world and to value educational pastimes in the outdoors. We teach stewardship of our environment – care for the limited resources of the planet.

Site and Program Features: Center staff provide environmental education classroom presentations and field trips for school children and workshops and consultations for teachers. Summer and school vacation day camps focus on environmental themes and outdoor adventures. Our resource center/library contains natural history books, periodicals, posters, games, and environmental activity and curriculum guides. Public programs, courses, lectures, workshops and outdoor recreational activities are offered to the community.

HOPKINS MEMORIAL FOREST · WILLIAMS COLLEGE · WILLIAMSTOWN, MASS.
H F

(520)

Hopkins Forest Center for Envir. Studies

Kellogg House
Williams College
Williamstown, MA 01267
(413) 597-2346
Director: David Dethier
Contact: Nan Jenks-Jay, Assoc. Dir.
Operator: Williams College

Open to youth groups and the general public. Open everyday. Hours: 10-4 Annual budget $10-25,000. 2 Full-time staff. 2500 Acres.

(521)

Horizons for Youth

121 Lakeview
Sharon, MA 02067
(617) 828-7550
Director: Clive Beasley
Contact: Steve Cleaver, Program Director

Open to youth groups. Conference facilities. Multi-day programs. Open every day. Seasonal changes in schedule. Closed on major holidays. Annual budget $500K-1,000,000. 5 Full-time staff. 300 Acres. Lodging. Camping. Fees charged for facility use. Newsletter.

Mission: Horizons for Youth is a year-round outdoor center dedicated to serving children. Through environmental education, summer camp and adventure programs, we aim to teach children about the environment and their role in it. We aim to educate them and build their confidence so that they can become an integral part of shaping tomorrow's world.

Site and Program Features: Horizons for Youth has over 200 acres, a challenge course, cabins, and dining hall. We are close to Boston and Providence. Our strength has always been the dedication and commitment of our staff.

(522)

Ipswich River Wildlife Sanctuary

87 Perkins Row
Topsfield, MA 01983
(508) 887-9264
Director: Kathryn Noonan

Open to youth groups and the general public. Day programs. Open every day except Monday. Hours: Dawn to dusk. Annual budget $100-250,000. 2 Full-time staff. 2200 Acres. Lodging. Camping. Fees charged for facility use. Newsletter.

Mission: Our goal is to provide hands-on natural history experiences to people of all ages in order to promote responsible action toward the environment.

Site and Program Features: The 2,200-acre sanctuary encompasses a variety of habitats and is well suited for repeat visitation. Birding is our most popular activity. Spring warblers are exceptional at the sanctuary.

Unique Features: Eskers plus other geologic formations, Great Wenham Swamp, old growth forest.

(523)

Laughing Brook Education Center & Wildlife Sanctuary

789 Main St.
Hampden, MA 01036
(413) 566-8034
Director: Jo Benton
Contact: Jane McNulty, Prog. Coordinator
Operator: MA Audubon Society

Open to youth groups and the general public. Day programs. Open every day except Monday. Hours: 10-5 Annual budget $250-500,000. 6 Full-time staff. 259 Acres. Fees charged for facility use. Newsletter.

Mission: Laughing BrookXs mission is to educate children, adults, government officials, and the general public about the natural world by: 1) capturing the attention of inquisitive minds; 2) instilling an affection for all life; and 3) by fostering an intelligent understanding of the role of humans in the natural world.

Site and Program Features: Our Northeastern habitat exhibits include the common flora and fauna of the New England countryside. Human-dependent or injured native animals that cannot be reintroduced to the wild can be viewed in the natural setting exhibits. Innovative teaching stations allow visitors to explore these habitats. Other special features include The Storyteller's House, the Education Center, and over four miles of hiking trails.

(524)

Manomet Bird Observatory

MBO

Box 936
Manomet, MA 02345
(508) 224-6521
Director: Linda E. Leddy
Contact: Nancy Poikonen, Admin. Asst.

Open to youth groups and the general public. Day programs. Open every day except Saturday, Sunday. Hours: 9-5 Closed on major holidays. Annual budget more than $1,000,000. 30 Full-time staff. 18 Acres. Fees charged for facility use. Newsletter.

Mission: MBO is a center for long-term environmental research and education. MBO's studies improve understanding of wildlife populations and natural systems, and foster conservation action throughout the Americas. The two education programs emphasize preparing the next generation: An academic semester in field biology to college students, and an environmental education that focuses on improving science education in the schools.

Site and Program Features: Our facility includes one 1890 summer home on the bluff overlooking the Cape Cod Bay that houses our bird banding laboratory, dorm space for college students, and teaching space for schools. Our second building includes offices, conference room, computer lab, research library, seminar room, and collections room. Our 18 acres of land are used for our banding operation in which about 10,000 birds are studied and released.

Unique Features: We own 18 acres of land set aside for bird banding purposes. It consists of diverse habitats and borders Cape Cod Bay. We also have a Planting for Wildlife Demonstration Garden and host scheduled programs (teacher workshops and school groups) at our site.

(525)

Massachusetts Audubon Society

South Great Rd.
Lincoln, MA 01773
(617) 259-9500
Director: Gerard A. Bertrand

Open every day except Monday. Hours: Dawn-dusk.

Mission: The Massachusetts Audubon Society operates a number of sanctuaries across the state. For more information on specific locations and programs, please contact the Lincoln office.

(526)

Maria Mitchell Science Center

2 Vestal St.
Nantucket, MA 02554
(508) 228-9198

Director: William T. Maple
Contact: Kitty Pochman, Asst. Director

Open to youth groups and the general public. Day programs. Open every day except Monday, Sunday. Hours: 10-4 Closed 9/1-6/15. Annual budget $50-100,000. 2 Full-time staff. 3 Acres. Fees charged for facility use.

Mission: Our mission is to conduct research in astronomy and act as a resource to others conducting research in the natural sciences and astronomy on Nantucket. We conduct field trips in natural history and sponsor a lecture series in natural science and astronomy for adult education. We also offer children's courses in natural history, marine life, astronomy and history.

Site and Program Features: Natural history museum, two observatories, library, historical house, aquarium and nature center.

Unique Features: Island of coastal heathland developed over glacial terminal morraine.

(527)

Nature's Classroom Inc.

RFD #1
61 Harrington Rd.
Charlton, MA 01550
(508) 764-8321

Director: Dr. John Santos

Open to youth groups and the general public. Conference facilities. Multi-day programs. Open every day. Annual budget $50-100,000. 24 Full-time staff. 300 Acres. Lodging. Fees charged for facility use.

Mission: Begun in 1972, Nature's Classroom is a private, non-profit organization that provides environmental education programming services to schools throughout New England and New York. Nature's Classroom is dedicated to motivational learning and community awareness. A prime goal is to excite and motivate children to personally seek knowledge.

Site and Program Features: Nature's Classroom has eight sites in New England with affiliates in Ohio and North Carolina. It is a 5-day residential program where the subjects of math, language arts, science, and social studies are covered as well as natural science. In this living experience where children learn to appreciate differences and begin to see their schoolroom teacher as a friend and their class as a team.

NATURE'S CLASSROOM

(528)

N.E.E.D. Collaborative
Natl. Envir. Educ. Development

Box 896
Truro, MA 02666
(508) 349-3475

Director: Joan C. Muller

Open to youth groups. Multi-day programs. Open every day except Monday, Sunday. Summer Youth Hostel Annual budget $50-100,000. 4 Full-time staff. Lodging.

Mission: Our mission is to instill in students an awareness, appreciation and understanding of nature which will motivate them to act in an environmentally sound manner. Also to give students the opportunity to live away from home for a few days in a community setting.

Site and Program Features: The seashore program provides the opportunity for fifth and sixth grade students (programs can be tailored for other groups) to live, explore and study within the Cape Cod National Seashore. Staff and students live in a former Coast Guard Station with views of the Atlantic Ocean.

Unique Features: Our unique features include a cranberry bog, heathlands, kettlehole pond, ocean beach and dunes.

(529)

New Alchemy Institute

237 Hatchville Rd.
East Falmouth, MA 02536
(508) 564-6301

Director: John C. Quinney
Contact: Ann B. Milliman, Director, Public Inform.

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: 10-6 Seasonal changes in schedule. Closed on major holidays. Annual budget $250-500,000. 16 Full-time staff. 12 Acres. Fees charged for facility use. Newsletter.

Mission: The New Alchemy Institute is dedicated to an ecological future. Serving students, teachers, households and small-scale farmers with research and education projects on food, energy, water and waste treatment systems, New Alchemy was founded to address environmental problems. We mean to test and introduce alternatives to chemical contamination of soil, food, air and water, erosion, toxic wastes and dependence on finite energy resources, so that conservation is more valued than waste. We are working for an ecological future.

Site and Program Features: Current projects focus on resource-efficient housing, landscape design, organic market gardening, greenhouse horticulture with demonstrations of IPM research, cover crop research and composting operations. The superinsulated auditorium, 3 solar greenhouses, organic gardens, flower, herb and theme gardens demonstrate sustainable practices. A visitor's center with exhibits, store with books and products for ecological living and seasonal farmstand await the visitor.

Unique Features: Organic vegetable, flower, herb gardens; 3 solar-heated greenhouses; visitors' center, store, farm stand; superinsulated auditorium.

(530)

New England Aquarium

Central Wharf
Boston, MA 02110
(617) 973-5200 FAX: (617) 723-6207
Director: John Prescott
Contact: Berit Solstad, Marine Educator
Operator: New England Aquarium Corporation

> Open to youth groups and the general public. Day programs. Open every day. Hours: M-Th 9-5; Fri 9-8; Sat.-Sun. 9-6 Seasonal changes in schedule. Annual budget more than $1,000,000. 150 Full-time staff. 4 Acres. Newsletter.

Mission: The mission of the New England Aquarium is to make known the world of water through education, research, conservation and exhibition.

Site and Program Features: The New England Aquarium exhibits animals and habitats from throughout the world. Changing exhibits, interactive exhibits, and renovation of long-standing exhibits keep the NEA at the forefront of aquarium design and exhibition. Dolphin and sea lion training demonstrations are offered several times daily. During warmer months, whale watch trips are offered to Massachusetts Bay whale feeding grounds.

Unique Features: We are located on Boston Harbor, in downtown Boston. There is an outdoor harbor seal exhibit, and the aquarium's own whale watch boat is docked alongside the building, as is a ship which houses our dolphin and sea lion auditorium.

(531)

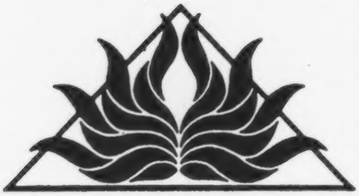
New England Science Center

222 Harrington Way
Worcester, MA 01604
(508) 791-9211
Director: James Harrington
Operator: Worcester Natural History Society

> Open to youth groups and the general public. Conference facilities. Day programs. Open everyday. Hours: 10-5; except Sun 12-5 Closed on major holidays. Annual budget more than $1,000,000. 30 Full-time staff. 60 Acres. Fees charged for facility use. Newsletter.

Mission: The New England Science Center is dedicated to promoting an understanding of natural history and earth sciences.

Site and Program Features: The New England Science Center is located on 60 acres of land in Worcester, MA. The Center includes a three story main building with 20,000 sq. ft. of exhibit space, a planetarium, observatory, children's discovery room, library and zoo. Interactive exhibits encourage people of all ages to explore a wide variety of subjects including: animal behavior and habitation, ecology, African communities, sea shells, mineral and vision. The live animal collection includes: polar bears, bobcats, eagles, monkeys and reptiles many of whom are endangered in the wild.



Outdoor Biology Instructional Strategies, a curriculum developed by the University of California at Berkeley, is one of several time-proven favorites. Review it and others in Appendix B.

(532)

Northfield Mountain Recreation and Environmental Center

RR 2 Box 117
Northfield, MA 01360
(413) 659-3714
Director: George Brosky
Contact: Kathleen Olson, Supervisor
Operator: Northeast Utilities

> Open to youth groups and the general public. Conference facilities. Day programs. Open every day except Monday, Tuesday. Hours: 9-5 Seasonal changes in schedule. Closed on major holidays. Annual budget $500K-1,000,000. 15 Full-time staff. 20 Part-time staff. 2000 Acres. Camping. Newsletter.

Mission: Our mission is to provide supervised public use of the facilities and to offer natural, cultural, and recreational programs on a scale compatible with the resources available and to demonstrate proper stewardship for utility properties.

Site and Program Features: Our Center is the site of a one million kilowatt hydro-electric pumped storage station. Our programs are offered year round by trained, professional staff. Programs are strong in presentation techniques. Those offered regularly as teacher enrichment programs include PLT, Project Wild, and Project Aquatics. We were the 1986 recipient of the National Take Pride in America Award.

(533)

Quabbin Reservoir Visitor Information Center

485 Ware Rd., Box 628
Belchertown, MA 01007
(413) 323-7221
Director: Clif Read
Contact: Terry Campbell, Manager
Operator: Metropolitan District Commission

> Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: 9-5 Annual budget $100-250,000. 3 Full-time staff. 3000 Acres. Newsletter.

Mission: To improve understanding among both water supply and reservation users of the special values of this reservoir and watershed in order to improve the protection of critical resources.

Site and Program Features: This site is a man-made drinking water supply for one-half of the population of this state. It abounds with history and natural beauty. The strength of our program is the passion people feel for this place. Without that, it would be difficult to accomplish anything.

(534)

South Shore Natural Science Center

Jacobs Lane, P.O. Box 429
Norwell, MA 02061
(617) 659-2559

Open to youth groups and the general public. Day programs. Open every day. Hours: M-Sat 9-4; Sun. 1-4 Closed on major holidays. Annual budget $250-500,000. 5 Full-time staff. 30 Acres. Newsletter.

Mission: The South Shore Natural Science Center exists to promote the informed use of the natural environment leading to the conservation and the preservation of resources essential to the continued existence, the development, and the well-being of the planet and the universe. This will be done by extending opportunities and encouragement to all ages to participate in advancement of appreciation and understanding through educational activities in natural science and humanities.

Site and Program Features: The science center is one of the oldest natural science centers in the nation, founded in 1962. It has been recognized for its outstanding community service, good management, and strong volunteer program. The science center's program focuses on three areas: the environment, education, and exhibits. The center plays a key role in educating the local public about their surrounding natural resources and in maintaining open space. Also, we work closely with teachers to enhance their ability to motivate children to improve their science literacy.

(535)

Springfield Science Museum

236 State St.
Springfield, MA 01103
(413) 733-1194
Director: Glen P. Ives
Contact: Sara Orr, Public Relations/Progr.
Operator: Springfield Library & Museums Assn.

Open to youth groups and the general public. Conference facilities. Day programs. Open every day except Monday. Hours: 12-5. Closed on major holidays. Annual budget $500K-1,000,000. 20 Full-time staff. 1 Acre. Newsletter.

Mission: The Science Museum will increase and broaden its audience; have collections of the highest quality; facilitate and expand its collections; address community needs and interests in the sciences, as well as current issues; develop and maintain an attractive, secure, efficient, and accessible physical plant; demonstrate and maintain sound fiscal practices; and attract and retain employees and volunteers of the highest caliber.

(536)

Stone Environmental Schools at Groton

Prescott St.
Groton, MA 01450
(508) 448-6837
Director: Duane Bond

Open to youth groups. Conference facilities. Multi-day programs. Open every day except Saturday, Sunday. Hours: 8 am - 9 pm Closed on major holidays. Annual budget $250-500,000. 2 Full-time staff. 350 Acres. Lodging. Fees charged for facility use.

Mission: Stone Environmental Schools is a private non-profit educational organization that works with over 100 elementary, middle and junior high schools from all over New England. Our five-day residential program, focusing on a sensory awareness approach to environmental education, utilizes a wide variety of natural areas. Subjects offered include: forest lesson, stream and pond investigation, astronomy, nocturnal life, night walks, human impact and optionals.

Site and Program Features: Thirty-five miles from Boston, Stone's Groton School is a picturesque center surrounded by 350 acres of forested hills, freshwater, streams, a large lake and challenging hiking areas. Qualified staff are also available for use of our ropes and challenge course.

Unique Features: Located on Lost Lake, glacial formations, 40 miles from Boston, five miles from 495.

(537)

Tower Hill Botanic Garden

Worcester County Hort. Society
30 Tower Hill Road
Boylston, MA 01505
(508) 869-6111
Director: John W. Trexler
Contact: Debi Hogan, Program Coordinator
Operator: Worcester Cnty. Horticultural Society

Open to youth groups and the general public. Day programs. Open every day. Hours: 9-5; except 10-4 Sat-Sun Closed weekends Nov-Apr Closed on major holidays. Annual budget $100-250,000. 6 Full-time staff. 132 Acres. Newsletter.

Mission: The Worcester County Society is in the process of developing a public garden on the recently purchased Tower Hill site. Master planning is complete and visitors may see the first steps in the garden construction. An attractive perennial garden, a vegetable garden and the nursery which houses young trees propagated from the Historic Davenport Orchard are popular attractions. There is also a horticultural library of 700 volumes which may be used by anyone; only members may borrow.

Site and Program Features: We offer education programs on plants for adults and children, as well as a living collection of plants for New England gardens. The Historic Davenport Apple Orchard, perennial gardens, vegetable gardens and woodland walks are popular attractions.

Unique Features: The Worcester County Horticultural Society is located on a 132 acre former dairy farm on a hill overlooking the Wachusett Reservoir. On this scenic site we are in the beginning phases of building a botanic garden. People visit to see the gardens and to walk in the woods and meadows. We also have Tower Hill, which is the high point in the area and was used as a survey station when the Wachusett Reservoir was built at the turn of the century.

(538)

The Trustees of Reservations

572 Essex St.
Beverly, MA 01915
(508) 921-1944
Director: Frederic Winthrop
Contact: Eloise W. Hodges, Depute Dir. of Pub. Info.

Open to youth groups and the general public. Day programs. Open every day. Seasonal changes in schedule. Annual budget more than $1,000,000. 61 Full-time staff. Newsletter.

Mission: The Trustees of Reservations is dedicated to preserving properties of exceptional scenic, historic and ecological value throughout the Commonwealth of Massachusetts. Today, TTOR owns and manages 71 properties, totalling nearly 18,000 acres, all open to the public. Through an active acquisition program, TTOR continues to save open land across the state.

Site and Program Features: The 71 properties range from ocean beaches, woodland, salt marsh, open fields, historic houses and formal gardens. Through a careful management plan, the special features of each site are preserved for maximum visual beauty and public enjoyment.

(539)

Wellfleet Bay Wildlife Sanctuary

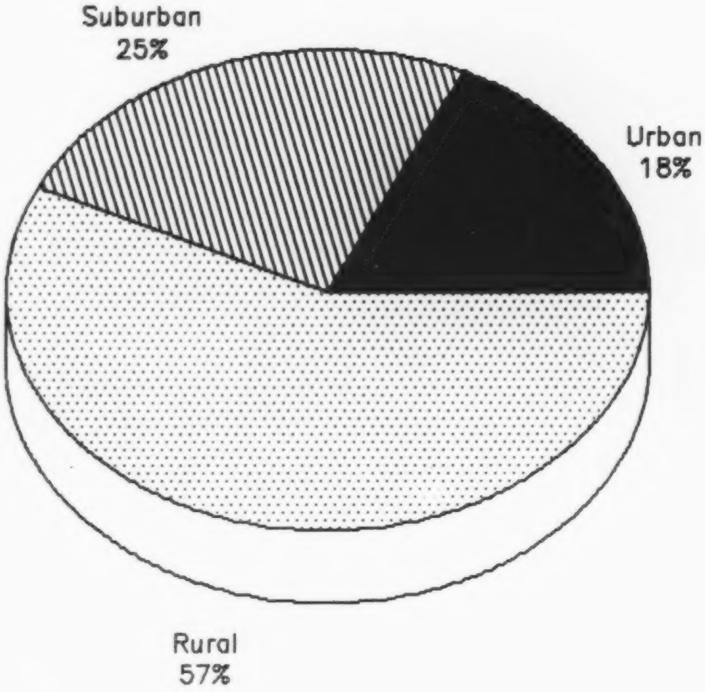
P.O. Box 236, Off West Rd.
S. Wellfleet, MA 02663
(508) 349-2615
Director: Robert Prescott
Contact: John Jacques, Program Coordinator
Operator: Massachusets Audubon Society

Open to youth groups and the general public. Day programs. Open every day. Hours: Office hours Tues-Sat, 9-5 Mon.-Sat, July & Aug., 8-8 Annual budget $100-250,000. 4 Full-time staff. 700 Acres. Camping. Fees charged for facility use. Newsletter.

Mission: Massachusetts Audubon was founded in 1896 for the sole purpose of protecting wildlife. Today we are concerned with the quality of the human living experience as well. Audubon's programs in conservation, education, and research work toward the intelligent management of the life-sustaining resources of the earth.

Site and Program Features: The sanctuary consists of 700 acres of salt marsh, ponds, streams, pine woods, coastal heath, and barrier beach on Cape Cod Bay with an extensive boardwalk/trail system. Nature tours and programs are offered on the off site for students of all ages. Guided nature tours and cruises go to Monomoy Island, Nauset Marsh, Pleasant Bay, and Cape Cod Bay as well as other natural areas around the Cape. Natural history canoe trips can be arranged. A camp ground and housing are available for visiting groups. Sanctuary staff provides programs related to natural history including slide presentations, guided walks, and participatory research projects.

Location of Centers



See "1990 Stats" in the Foreword to share additional results of NSYF's research.

(540)

Blandford Nature Center

1715 Hillburn NW
Grand Rapids, MI 49504
(616) 453-6192
Director: Dr. Mary Jane Dockeray
Operator: City of Grand Rapids

> Open to youth groups and the general public. Conference facilities. Day programs. Open every day except Saturday. Hours: 8-5 Closed on major holidays. Annual budget $100-250,000. 2 Full-time staff. 143 Acres. Newsletter.

Mission: Blandford Nature Center exists to: introduce people of all ages to their natural world and help them to feel comfortable in it, and to help them to understand their relationship to this natural world and the importance of their enlightened stewardship.

Site and Program Features: Blandford Nature Center is special because it offers the public an opportunity to enjoy typical, but vanishing, west Michigan habitats. Situated within the city limits of Grand Rapids, it is available to all segments of the urban, as well as suburban, populations. A public nature consultation service—often by phone—is an important part of our program.

(541)

Camp Ohiyesa - YMCA

17300 Hickory
Ridge Holly, MI 48442
(313) 887-4533
Director: Brice Emanual
Contact: Thomas Burek, Outdoor Education Dir.
Operator: YMCA of Metropolitan Detroit

> Open to youth groups and the general public. Conference facilities. Day and multi-day programs. Open every day. Seasonal changes in schedule. Annual budget $100-250,000. 3 Full-time staff. 300 Acres. Lodging. Fees charged for facility use. Newsletter.

Mission: To provide school children with quality and comprehensive outdoor education experiences to strengthen the classroom curriculum by teaching children environmental awareness through direct learning in the out of doors.

Site and Program Features: YMCA Camp Ohiyesa is on a great natural resource setting. Our wetland communities include a marsh, lake, bog and swamp. Our field and forest communities include natural field, manmade field, pine, hardwood, and mixed forests. An abundance of wildlife can be found, and a rehabilitation center helps us to re-release wildlife back into the environment. We emphasize hands-on experience in the out of doors.

Unique Features: We have a bog on our property that has a variety of wildlife and plants. It covers 30 acres.

(542)

Chippewa Nature Center

Chippewa Nature Center

400 S. Badour Rd.
Midland, MI 48640
(517) 631-0830
Director: Ruth Jacquot
Contact: Janea Marie Little, Public Relations Coordin

> Open to youth groups and the general public. Day programs. Open every day. Hours: M-F 8-5; Sat. 9-5; Sun. 1-5 11 Full-time staff. 900 Acres. Newsletter.

Mission: The Chippewa Nature Center was founded in 1966 as a private, non-profit educational organization dedicated to providing the public with quality opportunities for the enjoyment and understanding of the natural history and human history found primarily in our region.

Site and Program Features: The combination of deciduous and coniferous woods, meadows, ponds, rivers and wetland provides visitors a tremendous variety of outdoor experiences. Weekend programs are free, open to the public and cover a range of subjects from seasonal ecology to pioneer life (at our unique 1870s Pioneer Homestead Farm).

Unique Features: Much of the property is bordered by rivers. The visitor center has glass-walled overlook onto Pine River, just before confluence of Pine and Chippewa Rivers. Rich in archaeological history.

(543)

Howard Christensen Nature Center

16160 Red Pine Dr.
Kent City, MI 49330
(616) 887-1852
Director: Steven J. Mueller
Operator: Kent Intermediate School District

Open to youth groups and the general public. Conference facilities. Day programs. Open every day except Saturday, Sunday. Hours: 8-5 Summer: only by scheduled appointment Closed on major holidays. Annual budget $100-250,000. 1 Full-time staff. 135 Acres. Newsletter.

Mission: Our mission is to help people to develop an awareness, curiosity, and appreciation of ecological principles, provide understanding of human relationships with the environment, increase awareness of attitudes and personal values relative to the environment, recognize personal environmental ethics, provide problem-solving and decision-making experiences.

Site and Program Features: We feature concept-focused, developmental, and sequential K-6 curriculum, and provide educational programming on request to meet the needs of secondary and adult groups. The site has a great habitat variety and large wild land surroundings.

(544)

Cranbrook Institute of Science

MI

500 Lone Pine
Box 801
Bloomfield Hills, MI 48013
(313) 645-3200 FAX: (313) 645-6545
Director: Dr. Robert West
Contact: Brian Winslow, Naturalist

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: M-F 10-5; Sat 10-10; Sun 12-5 Annual budget more than $1,000,000. 35 Full-time staff. 300 Acres. Fees charged for facility use. Newsletter.

Mission: The institute seeks to interest and educate people of all ages about nature science and man through its exhibits, education, collections, research and publication programs. A major focus of these programs is the natural history and cultural heritage of the Great Lakes region.

Site and Program Features: Cranbrook Institute of Science provides educational programs for groups of all ages in a variety of natural history disciplines. The institute has a variety of exhibits including hands-on physics, mineral hall, hall of man, ecology alcove, observatory, planetarium, and discovery room.

Unique Features: C.I.S. is located on a 300-acre campus with Cranbrook Schools (K-12) and Cranbrook Art Academy. The grounds are beautifully landscaped with gardens, reflecting pools, water falls, and a water wheel.

HOWARD
CHRISTENSEN
NATURE CENTER

KENT INTERMEDIATE
SCHOOL DISTRICT

(545)

The Dahlem Environmental Education Center

7117 S. Jackson Rd.
Jackson, MI 49201
(517) 782-3453
Director: Tom Hodgson
Operator: Jackson Community College

Open to youth groups and the general public. Day programs. Open every day except Monday. Hours: T-F 8-5; Sat. & Sun. 12-5 Closed on major holidays. Annual budget $100-250,000. 2 Full-time staff. 296 Acres. Newsletter.

Mission: Through education and leadership, to help our community work toward a better and safer environment for all, to promote a better understanding and appreciation of the environment, and the wise use of our natural resources, and to promote an awareness of the global consequences of individual actions.

Site and Program Features: Our site is ecologically diverse, containing most habitats common to southern Michigan. Our grade level specific pre-school through fifth grade environmental education programs and materials have received national recognition from the National Science Teachers Association, and are distributed on demand throughout the world. Our "Great Lakes Wildlife" (formerly Bluebird) Festival held in March attracts visitors from throughout the Midwest.

(546)

DeGraaf Nature Center

600 Graffschap Rd.
Holland, MI 49423
(616) 396-2739
Director: Shirley Dykema
Operator: City of Holland

Open to youth groups and the general public. Day programs. Open every day. Hours: M-F 12:30-4:30; Sat.-Sun. 2-4 Winter: closed Mondays. Annual budget $25-50,000. 2 Part-time staff. 15 Acres. Newsletter.

Mission: Our mission is to teach natural history and conservation education to children and adults and to help them become more aware of their environment and their responsibility to be caretakers of the earth and its resources. To provide a place where individuals and family groups can come to enjoy the out of doors.

Site and Program Features: In our small area, 15.4 acres, we have each type of biotic community. Trails lead around a pond, through a meadow, prairie area, along a creek and over a wetlands. Our boardwalk and woodchip trails with benches placed along them are popular with bird and wildlife watchers and wildflower and nature lovers.

Unique Features: It is unusual for such a small area to have such a varied habitat. We have a very sandy high area and a very mucky bog area, woods and streams and pond.

Testing for nitrates; a skill easily learned, yet one that lends a feeling of pride and importance. Photo courtesy of University of Michigan, School of Natural Resources.

(547)

Detroit Zoo

8450 W. Ten Mile
Royal Oak, MI 48068
(313) 398-0903 FAX: (313) 398-0504
Director: Steve Graham
Contact: Pat McClary, Director

Open to youth groups and the general public. Conference facilities. Day programs. Seasonal changes in schedule. Annual budget more than $1,000,000. 100 Full-time staff. 125 Acres. Newsletter.

Unique Features: More than 700 varieties of trees, shrubs, and flowering plants; three lakes; and natural habitat in 40 major exhibits.

(548)

Dinosaur Hill Nature Preserve

333 North Hill Circle
Rochester, MI 48063
Director: Ginger Ketelsen

Open to youth groups and the general public. Day programs. Open every day except Monday. Hours: Sept.-June T-F, 9-5. Seasonal changes in schedule. Annual budget $50-100,000. 1 Full-time staff. 16 Acres. Newsletter.

Mission: The purpose of Dinosaur Hill Nature Preserve is to provide environmental, educational and recreational experiences for residents of and visitors to the Rochester area.

Site and Program Features: Dinosaur Hill is 16 acres of uniqueness in the city of Rochester. It is a nature preserve where one can find thickets, meadows, forests, swamps and streams, each with its own plant and animal life inhabitants. The preserve got its name from a sandy hill there which neighborhood children, it is said, imagined was a dinosaur.

Unique Features: Our site is a small nature preserve in a subdivision. We have a remarkable variety of habitat for 16 acres.

(549)

Eaton County Parks & Rec.

3808 Grand Ledge Hwy.
Grand Ledge, MI 48837
(517) 627-7351
Director: Steve Tuma
Contact: Kari K. Brookhouse, Naturalist

Open to youth groups and the general public. Day programs. Open every day. Hours: 8 am - 10 pm Winter: 8 am - 6 pm. Annual budget $100-250,000. 3 Full-time staff. 80 Acres. Fees charged for facility use.

Mission: Our primary reason for being is to provide a recreational facility to all members of Eaton County. The Parks and Recreation Department offers environmental education as part of the overall recreation experience. There is a small nature center with exhibits at Fitzgerald Park in Grand Ledge. The nature center is open Wed., Sat. and Sun., 1-5. Closed during the winter.

Site and Program Features: The greatest attraction at Fitzgerald Park are The Ledges, which are ancient outcroppings of sedimentary rock. They stretch along both sides of the Grand River for about two miles. You may find on the rocks many different types of ferns, as well as the infrequently seen plant, liverwort. The sandstone ledges are quite a sight to behold.

Unique Features: Large sandstone outcroppings called "The Ledges" are a unique geological feature.

(550)

Ebersole Environmental Education & Conference Center

3400 Second St.,
Rt. 3
Wayland, MI 49348
(616) 792-6294

Director: John Schimmel
Contact: Paul Babladelis, Site Coordinator
Operator: Lansing, MI, Public School District

Open to youth groups and the general public. Conference facilities. Multi-day programs. Open every day. Annual budget $250-500,000. 4 Full-time staff. 158 Acres. Lodging. Camping. Fees charged for facility use. Newsletter.

Mission: Owned and operated by the Lansing School District, the Ebersole Center's primary goal is to help school children develop an understanding and appreciation of the natural world. A wide variety of activities is available that center around environmental education, recreation and outdoor skills, and group building. The center is also available for groups of all types to use as a conference center.

Site and Program Features: The Ebersole Center is located on a 158-acre site that includes a private lake, a climax beech-maple hardwood forest, a fen or freshwater meadow, and a prairie that is being restored to include as many native plants as possible. It is within 10 miles of an additional 20,000 acres of state land for those who would like extensive hiking or cross-country skiing trails.

(551)

Gerald E. Eddy Geology Center

17030 Bush Rd.
Chelsea, MI 48118
(313) 475-3170

Director: Alan V. Wernette
Operator: State of Michigan DNR

Open to youth groups and the general public. Conference facilities. Day programs. Open every day except Monday. Hours: 10-5 (Summer) Winter 1-4 Annual budget $100-250,000. 2 Full-time staff. 20,000 Acres. Lodging. Camping. Fees charged for facility use. Newsletter.

Mission: Eddy Geology Center is established to inform and motivate people on the natural world around them through teaching and developing an interest through exhibits and nature trails. We try to guide our efforts toward the local and regional populations.

Site and Program Features: Waterloo Recreation Area (Eddy Geology Center) is 20,000 acres of rolling hills that are wooded, as well as open grasslands. Its topography is a fingerprint of the last glacial age. Lakes and hills carved and deposited material formed from the Wisconsin Glacier 12,000 years ago. This is a wilderness/game area located within one hour of the Detroit metropolitan area (over 1/3 of Michigan population base).

Unique Features: Several types of bogs; glacial features: kettle lakes, drumlins, eskers, etc.

(552)

Exhibit Museum

University of Michigan
1109 Geddes Ave.
Ann Arbor, MI 48109-1079
(313) 764-0478 FAX: (313) 747-0884

Director: Dr. Thomas E. Moore
Contact: Matt Linke, Admin. Assoc.
Operator: The Regents of the University of Mich.

Open to youth groups and the general public. Conference facilities. Day programs. Open every day except Monday. Hours: M-Sat. 9-5; Sun. 1-5 Closed on major holidays. Annual budget $250-500,000. Newsletter.

Mission: Our principal missions involve communicating to the university community and general public significant facts and generalizations regarding natural sciences, particularly evolution, furthering the growth of culture. We emphasize exhibits of actual items of evidence with real scientific value, especially those regarding topics importantly studied at this university or representative of the Great Lakes area.

Site and Program Features: Our permanent exhibits include dioramas, artifacts, skeletons, skins, fossils, and live organisms representing paleontology, mineralogy, geology, space, astronomy, biology, ecology, zoology, Michigan wildlife, anthropology, and Native Americans. We also have a planetarium and gift shop, plus changing exhibits of current interest in our rotunda.

Interaction, involvement, community action and personal growth; the Rouge River has been a vehicle for teaching things that many classrooms cannot. Photo courtesy University of Michigan, School of Natural Resources.

(553)

Farm Center, Huron-Clinton Metropolitan Authority

2240 W. Buno Rd.
Milford, MI 48042
(313) 685-1561
Director: William Sherman
Contact: David Moilanen, Farm Manager

Open to youth groups and the general public. Day programs. Open every day. Hours: 9-6 Summer: Sat-Sun 9-7 PM. Annual budget $100-250,000. 3 Full-time staff. 100 Acres. Newsletter.

Mission: To provide the urban and suburban population of south and east Michigan with the opportunity to experience a rural farm. Both an educational and recreational project, it tries to appeal to various age groups on not only a superficial level but on a more thoughtful level as well. It tries to teach visitors about the first stages of human food production and to remind them of their continued dependence on the health and productivity of the land.

Site and Program Features: The farm is designed to get visitors close to the animals. It offers recreational activities, such as horse-drawn hay or sleigh rides and a county fair, and educational programs, such as guided tours and special events like making maple syrup and sheep shearing. It is very inexpensive.

(554)

Fernwood Nature Center

13988 Rangeline Rd.
Niles, MI 49120
(616) 695-6491
Director: Stan Beikmann
Contact: Mike Champagne, Chief Naturalist

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: M-Sat. 9-5; Sun. 12-5. Annual budget $250-500,000. 6 Full-time staff. 105 Acres. Fees charged for facility use. Newsletter.

Mission: Our mission is to create a sense of environmental awareness and cultural appreciation.

Site and Program Features: Fernwood's 105 acres have numerous springs and steep hills which help to produce a variety of habitats for native and cultivated plants. Fernwood offers a unique, threefold education program of natural science, horticulture, and arts and crafts.

(555)

Hartwick Pines State Park

Rt. 3, Box 3792
Grayling, MI 49738
(517) 348-7068
Director: Robert Bacon
Contact: Wendell L. Hoover, Park Interpreter
Operator: State of Michigan

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: 8-10 Seasonal changes in schedule. 1 Full-time staff. 9600 Acres. Fees charged for facility use. Newsletter.

Mission: Introduce visitors to the hows, whys and whos of old-time logging and its affects on the environment in the past and future.

Site and Program Features: The principal feature of this park is the forest of virgin pines which gives the park its name. This forest is a reminder of Michigan's past importance in the pine lumber industry and a source of hope for future forest growth.

(556)

Huron-Clinton Metropolitan Auth. Oakwoods Metropark Nature Center

P.O. Box 332
Flat Rock, MI 48173
(313) 697-9181
Director: Thomas H. Smith
Contact: Robert Wittersheim, Supervising Naturalist

Open to youth groups and the general public. Day programs. Open every day. Hours: Mon-Fri 1-5; Sat & Sun 10-5 Summer: daily 10-5 Closed on major holidays. Annual budget $100-250,000. 3 Full-time staff. 350 Acres. Fees charged for facility use.

Mission: To inform visitors of local natural and cultural history through exhibits, programs, and self-guiding interpretive trails so as to create a more appreciative park user and a more ecologically sensitive citizen.

Site and Program Features: The Oakwoods Nature Center is situated at the focus of backwater marsh, oak-hickory forest, old farm field, and river/floodplain habitats. We have a year-round staff of professional interpreters who conduct over 1,000 programs for over 50,000 people annually.

(557)

Independence Oaks Nature Center

9401 Sashabaw
Clarkston, MI 48016
(313) 625-6473
Director: Ralph Richard
Contact: Kathleen Dougherty, Parks Naturalist

Open to youth groups and the general public. Day programs. Open every day except Monday. Hours: 10-5 Summer open 7 days, 10-6 Closed on major holidays. Annual budget $100-250,000. 4 Full-time staff. 1034 Acres. Fees charged for facility use. Newsletter.

Mission: The Independence Oaks Nature Center is available to the park's visitors and the community as an educational resource for people to learn about the park's unique natural features and the environment.

Site and Program Features: Special family programs are offered by naturalist staff on a variety of topics. Groups can schedule an appointment in advance. An outdoor amphitheater offers special interpretive arts performances in the warmer months.

Unique Features: Independence Oaks is located in southeastern Michigan near the headwaters of the Clinton River. The property is a diverse mix of woodlands, wetlands and wild fields with high moraines and beautiful vistas.

(558)

Indian Springs Metropark Nature Center

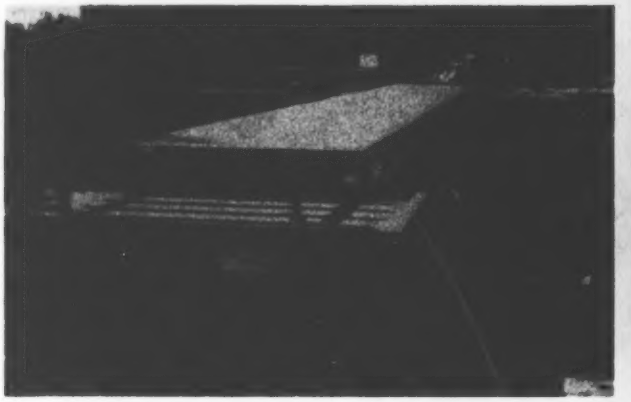
5200 Indian Trail
Clarkston, MI 48016
(313) 625-7280
Contact: Stephen E. Horn, Supervising Naturalist

Open to youth groups and the general public. Day programs. Open every day. Hours: Summer: 10-5 daily; Winter: M-F 1-5; Sat-Sun 10-5. Annual budget $50-100,000. 1 Full-time staff. 900 Acres. Fees charged for facility use.

Mission: The major theme of the nature center is The Swamp: A Source of Life and Living. Through public programs and exhibits, we reveal the unique natural relationships of the swamp and mankind's association with it.

Site and Program Features: The headwaters of the Huron River begin in the 900-acre Huron Swamp. This area has been virtually untouched by man's conquest of nature and offers an opportunity to experience what this area of Michigan looked like 300 years ago.

Unique Features: Headwaters of the Huron River located in park.



Interpretive Center of the Kalamazoo Nature Center, MI. Photo by Larry West

(559)

Jennison Nature Center

3582 State Park Dr.
Bay City, MI 48706
(517) 667-0717
Director: Bradley F. Smith
Contact: Phyllis Vaughn, Program Director
Operator: State of Michigan/Delta College

Open to youth groups and the general public. Day programs. Open every day except Monday. Hours: T-Sat. 10-4; Sun. 12-5 Closed on major holidays. Annual budget $25-50,000. 4 Part-time staff. 1200 Acres. Newsletter.

Mission: Quality environmental education for all ages, with particular emphasis on K-6.

Site and Program Features: Interpretive area includes 1,700 acres of unique wetlands. Nature Center is located on Saginaw Bay.

(560)

Kalamazoo Nature Center

7000 N. Westnedge
Kalamazoo, MI 49007
(616) 381-1574
Director: Dr. Willard Rose
Contact: Patricia Adams, Dir. of Education

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: 9-5 Seasonal changes in schedule. Annual budget $500K-1,000,000. 8 Full-time staff. 600 Acres. Fees charged for facility use. Newsletter.

Mission: To develop in people, especially children, a better understanding and appreciation of our surroundings, especially natural resources, so that these surroundings will be managed wisely for the long-term ecologic and economic benefit of all people. To conduct, sponsor, and to cooperate with others in programs, demonstrations, and leadership training in natural history, science, conservation, horticulture, farming, use of appropriate alternative technologies and energy production. To conduct research.

Site and Program Features: The unique "Cooper's Glen" (named after James Fennimore Cooper who allegedly visited the Glen and surrounding watershed and woodland, grassland, and glacial features) is special. The unusual interpretive center features a nature center, the 1870s historic homestead/DeLano Homestead and Settler's Cabin, the Dalton Antique Tool and Machinery Barn, the Self-Reliant Homestead (alternative energies and life-style), family farm/barnyard and domestic farm animal area, as well as the growing place, ecology (hands-on nature) lab, and Glen Vista Living Exhibit Room. The nature center employs 6 full-time instructors who do not give tours, but teach a total of 29 different science and history classes to school children throughout the year, as well as a Summer Day Camp Program that serves over 100 children per week with 20 types of courses. Approximately 40 adult classes or trips are also offered in addition to the weekend program.

(561)

W. K. Kellogg Bird Sanctuary of MSU

12685 E. C Ave.
Augusta, MI 49012
(616) 671-2510
Director: W. C. Johnson
Contact: Dorothy L. Spinner, Bookstore/Office Manager
Operator: Michigan State University

Open to youth groups and the general public. Day programs. Open every day. Hours: 8 am - 8:30 pm June 1-Oct. 31 8-5 Nov. 1-April 31. Annual budget $50-100,000. 3 Full-time staff. 200 Acres.

Mission: The Kellogg Sanctuary is a living exhibit of wildlife management, an example of man in harmony with nature , and an outdoor classroom for environmental education and research. Our mission is to stimulate interest in conservation principles and attempt to awaken a desire in the public to fully appreciate and enjoy the out-of-doors.

Site and Program Features: Wintergreen Lake and waterfront display ponds of swan, Canada geese, diving and dabbling ducks. Hawks, owls and eagle in large flight pens. Our site also has tail deer, wild turkey, peafowl along with demonstration plantings of food and cover-producing plants, shrubs and trees.

(562)

Kensington Metropark Nature Center

2240 W. Buno Rd.
Milford, MI 48165
(313) 685-1561
Contact: Pat Carlson, Supervising Naturalist
Operator: Huron-Clinton Metroparks

Open to youth groups and the general public. Day programs. Open every day. Hours: M-F 1-5; Sat-Sun 10-5 6/15-9/15–10-5 daily Annual budget $100-250,000. 3 Full-time staff. 730 Acres.

Mission: As part of a major metropark in a large metropolitan area, we welcome the opportunity to act as a gateway in the relaxed atmosphere of a primarily recreational setting to stimulate awareness of the natural world, that we are part of it and are responsible for our actions and their effects, and to promote an understanding of and encourage respect for this unique world that nurtures us.

Site and Program Features: Diverse and mixed habitats give us a maximum variety and density of wildlife which offer many opportunities for observation by a diverse public. Variety is our "spice of life" and our major strength.

Unique Features: Mixed habitats with lots of edges and transition zones provide for maximum wildlife use.

(563)

Kingman Museum of Natural History

West Michigan Ave. at 20th St.
Battle Creek, MI 49017
(616) 965-5117
Director: Robert Learner
Operator: Battle Creek Public Schools

Open to youth groups and the general public. Conference facilities. Day programs. Open every day except Monday. Hours: T-Sat. 9-5; Sun. 1-5 Open Mondays 9-5 during July and Aug. Closed on major holidays. Annual budget $250-500,000. 5 Full-time staff. 72 Acres. Fees charged for facility use. Newsletter.

Mission: Our mission is to create warm and happy learning environments which will convey to children and all visitors an understanding and lasting appreciation for the world around us.

Site and Program Features: The Kingman Museum of Natural History is an outstanding learning opportunity. Here are three floors of exciting exhibits which include the Michigan Ice Age, A Journey Through the Crust of the Earth, Window to the Universe, In the Footsteps of the Dinosaurs, The Wonder of Life and more.

Unique Features: The Kingman Museum of Natural History is located in Leila Arboretum, a beautiful 72-acre botanical park.

169

(564)

Kresge Environmental Ed. Center

2816 Fish Lake Rd.
Lapeer, MI 48446
(313) 667-2350
Director: Ben Czinski
Operator: Eastern Michigan University

> Open to youth groups. Conference facilities. Multi-day programs. Open every day. Seasonal changes in schedule. Closed on major holidays. Annual budget $50-100,000. 1 Full-time staff. 240 Acres. Lodging. Fees charged for facility use.

Mission: While each group that uses the center has its own purpose and goals, the center also asks each group to accept and operate by our philosophy statement:

KEEC is LIFE–
Look It's for Enjoyment
Love It's for Everyone
Learn It's for Education
Leave It for Everyone.

Site and Program Features: The center offers many ecological features such as a lake, pond, bog, forests, and fields. The great diversity at Fish Lake lends itself to many innovative educational experiences.

(565)

Lapeer Community Schools

1025 W. Nepessing
Lapeer, MI 48421
(313) 664-4581
Director: Dick Henderson

> Open to youth groups. Hours: By appointment. Annual budget less than $10,000. 80 Acres.

Site and Program Features: We have about 80 acres on a private lake, mostly wood, used for outdoor education.

(566)

Metro Beach Nature Center

31300 Metro Parkway
P.O. Box 1037
Mt. Clemens, MI 46046
(313) 463-4581
Contact: Leslie F. Sutton, Supervisor
Operator: Huron-Clinton Metro. Auth.

> Open to youth groups and the general public. Day programs. 2 Full-time staff. Fees charged for facility use. Newsletter.

Mission: As the newest Metropark Nature Center, we wish to continue bringing nature awareness and responsibility to our patrons. We want the public to enjoy their visit to Metro Beach and enjoy being in the out-of-doors: to realize it is their responsibility to help maintain it at the nature center, state and world-wide levels.

Site and Program Features: The Metro Beach Nature Center building is a brand-new, large building with a large exhibit room, a classroom, and a relaxation room with many windows open to the outdoors. Metro Beach is on Lake St. Clair with a river, the big lake, wetlands, and a small cottonwoods woodlot–all for nature study and recreation use. We can do many types of nature programs, including Voyageur Canoe programs.

(567)

Michigan State University Museum

W. Circle Dr.
East Lansing, MI 48824
(517) 355-2370
Director: C. Kurt Dewhurst
Operator: Michigan State University

> Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: M-W,F 9-5; W 9-9; Sat. 10-5; Sun. 1-5 Seasonal changes in schedule. Closed on major holidays. Annual budget more than $1,000,000. 28 Part-time staff. Newsletter.

Mission: Reflecting the philosophy of a land-grant institution, the Michigan State University Museum engages in teaching, collection development, research and public service for the State of Michigan. These activities focus on a theme of natural and cultural history with an emphasis on the Great Lakes region.

Site and Program Features: Three floors of exhibits on natural and cultural history. Special areas devoted to Indians of the Great Lakes, habitats of North America, Evolution, world cultures, folk arts and Michigan history, and the birds and mammals of Michigan.

(568)

Mill Creek State Historic Park

MACKINAC
STATE • HISTORIC • PARKS

Box 873, U.S. 23 Hwy.
Mackinaw City, MI 49701
(616) 436-7301
Director: David Pamperin
Contact: Jeff Dykehouse, Interpretive Specialist
Operator: Michigan Dept. of Natural Resources

> Open to youth groups and the general public. Day programs. Open every day. Hours: May 15-Oct. 15 10-4 June 15-Labor Day 10-7. Annual budget $100-250,000. 3 Full-time staff. 625 Acres. Fees charged for facility use. Newsletter.

Mission: To preserve and interpret for the enjoyment of the public the natural and human history of the Mackinac area of Michigan.

Site and Program Features: Mill Creek is home to one of Michigan's earliest industrial centers. It is the site of an authentically reconstructed water-powered sawmill that was used to produce lumber for neighboring Mackinac Island 200 years ago. Costumed staff and lively displays show visitors how man and the environment engaged as one in the development of the north.

Unique Features: Our site contains several active beaver ponds along the nature trails, spectacular views of the Straits of Mackinac and the Lake Huron shoreline.

(569)

Mystic Lake YMCA Camp

Box 100, 9505 W. Ludington
Lake, MI 48632
(517) 544-2844
Director: John R. Fiely
Operator: Lansing YMCA

Open to youth groups. Conference facilities. Multi-day programs. Open every day. Annual budget $250-500,000. 4 Full-time staff. 500 Acres. Lodging. Fees charged for facility use. Newsletter.

Mission: Mystic Lake strives to provide a learning atmosphere which: (1) is fun for the participant, (2) allows the participant to be immersed in the out-of-doors, (3) physically and mentally challenges the individual and group toward self-growth, and (4) builds observation skills and logical decision-making skills.

Site and Program Features: Mystic Lake's facilities provide nearly ideal supervisory situations for teachers. Good food and great staff create an atmosphere of friendship. The land provides upland woods, white cedar swamp lands, lake, ponds, sphognum bog and field habitats for outdoor study. The camp's fees are reasonable and competitive.

A boardwalk is an almost irresistible lure, drawing people into the marsh. Photo courtesy of Sarett Nature Center.

(570)

Neithercut Woodland

c/o Central Michigan Univ.
Dept. of Biology
Mt. Pleasant, MI 48859
(517) 774-3412
Director: Dr. John N. Krull
Operator: Central Michiga University

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: 7 am - 11 pm Annual budget less than $10,000. 252 Acres.

(571)

Price Nature Center

111 S. Michigan
Saginaw, MI 48602
(517) 790-5280
Director: James J. Blaschka
Contact: Kimberly S. Kinnan, Outdoor Rec. Coordin.
Operator: Saginaw County Parks and Rec. Commission

Open to youth groups and the general public. Day programs. Open every day. Hours: 8-dusk. Annual budget $10-25,000. 186 Acres.

Mission: Our mission is to instill a sense of stewardship towards the earth in all who visit. To make them comfortable and become increasingly interested in the natural environment. To help them see that people and nature are intricately connected.

Site and Program Features: Special features include a mature beech-maple forest, one of the few in our region; a 300 + -year-old white oak tree; a large variety of wildflowers, flowering shrubs, etc.; and a healthy American chestnut tree.

(572)

Sarett Nature Center

2300 Benton Center Rd.
Benton Harbor, MI 49022
(616) 927-4832
Director: Charles Nelson
Operator: Michigan Audubon Society

Open to youth groups and the general public. Day programs. Open every day except Monday. Hours: T-F 9-5; Sat. 10-5; Sun 1-5 Seasonal changes in schedule. Annual budget $100-250,000. 3 Full-time staff. 400 Acres. Newsletter.

Mission: Sarett's goal is to ensure that high quality environmental education for persons of all ages is available in the area by: (1) maintaining ecological intact area where such education is possible; (2) supplying expert guidance for education; and (3) offering wide range of classes, trips, and activities.

Site and Program Features: Sarett is situated astride the scenic Paw Paw River with miles of trails through the bluffs and over boardwalks into sedge meadows, cattail marsh, fens and swamp forests. There are 6 teaching towers along the trails for excellent views.

(573)

Seney National Wildlife Refuge

HCR #2, Box 1
Refuge Road
Seney, MI 49883
(906) 586-9851

Director: Mike Tansy
Contact: Jim Kurth, Asst. Refuge Manager
Operator: U.S. Fish & Wildlife Service

Open to youth groups and the general public. Day programs. Open every day. Hours: 9-5 Annual budget $250-500,000. 1 Full-time staff. 94,455 Acres. Fees charged for facility use.

Mission: The Seney National Wildlife Refuge was established in 1935 for the protection and production of waterfowl and other wildlife species. In our visitor center, we provide information to the public about the area, its wildlife species, and our management practices. We also give presentations to groups as requested.

Site and Program Features: At Seney, it is possible to view many wildlife species, including over 200 species of birds. Bald eagles nest within view of the self-guided wildlife drive open to the public June 1 to September 30. Canada geese, sandhill cranes, grouse, pileated woodpeckers, warblers, ducks, otter, coyotes, and black bears all live on the refuge.

Unique Features: Seney National Wildlife Refuge has a 25,000-acre wilderness area. This area contains a unique habitat of "string bogs." Of the 25,000 acres, 9,500 acres are a designated national landmark called the Strangmoor Bog Registered National Landmark.

(574)

Seven Ponds Nature Center

3854 Crawford Rd.
Dryden, MI 48428
(313) 796-3419 or 3200

Director: Don Naish
Operator: Michigan Audubon Society

Open to youth groups and the general public. Day programs. Open every day except Monday. Hours: 9-5 Annual budget $100-250,000. 2 Full-time staff. 246 Acres. Fees charged for facility use. Newsletter.

Mission: To furnish quality environmental education to as many people as possible. To awaken a sense of environmental responsibility in children.

Site and Program Features: The number one special feature is our lakes. Next is a very broad range of accessible habitats. Teach as much as possible by linking environmental studies to local heritage.

Possibly because their eyes are "up front", lending them the appearance of having a human-like "face", owls are among the most popular of the birds. This drawing is the logo of the American Nature Study Society. (See Appendix C for more information.)

(575)

Sleeping Bear Dunes National Lakeshore

Box 277
Empire, MI 49630
(616) 326-5134 FAX: (616) 326-5382

Director: Richard Peterson
Contact: Neal Bullington, Chief Naturalist
Operator: National Park Service

Open to youth groups and the general public. Day programs. Open every day. Hours: Fall & Wint 9:30-4; Spring & Sum 9-4:30 Annual budget more than $1,000,000. 3 Full-time staff. 58,500 Acres. Camping.

Mission: The National Lakeshore is maintained to preserve and protect special features of geological and historical interest, with an emphasis on recreational usage by the public.

Site and Program Features: The national lakeshore consists of a strip of land along the east coast of Lake Michigan in the upper northwest portion of Michigan state's lower peninsula. Also included are North and South Manitou Islands in Lake Michigan. Much of the park is being allowed to revert to hardwood climax forest, while some remains in historic farm appearance. Glacial features abound, including numerous small lakes. Typical wildlife of the north woods is abundant. A visitor center is located in the town of Empire. Special visitor attractions include the Dune Climb, Pierce Stocking Scenic Drive, Glen Haven Maritime Museum, and ferry trips to the Manitou Islands.

(576)

Lloyd A. Stage Outdoor Ed. Center

6685 Coolidge
Troy, MI 48098
(313) 524-3567

Director: Charles R. Barnes
Operator: City of Troy, Parks & Rec. Dept.

Open to youth groups and the general public. Day programs. Open every day except Monday. Hours: T-Sat. 8:30-4:30; Sun. 12-5 Closed on major holidays. Annual budget $100-250,000. 1 Full-time staff. 100 Acres. Newsletter.

Mission: Our center strives to provide a wide range of educational and recreational programs to an urban population. These programs attempt to expand awareness about nature, wildlife, natural history, and the out of doors.

Site and Program Features: Our site provides an excellent teaching opportunity for ecological sciences. Our program attempts to have a hierarchy. We strive to have schools return several times, building on the knowledge students have learned. We also have programs which keep children interested for a long term. Our Jr. Naturalist Club and camp-ins are examples.

Unique Features: Located near the headwaters of the Rouge River. Contains many of the common natural communities of southeastern Michigan.

(577)

Sterling Heights Nature Center

40555 Utica
Sterling Heights, MI 48078
(313) 739-6731
Director: Thomas Chappelle
Contact: Gordon Lonie, Park Naturalist
Operator: City of Sterling Heights

Open to youth groups and the general public. Day programs. Open every day except Friday. Hours: M-Th 1-5; Sat. 10-5; Sun 1-5 Seasonal changes in schedule. Closed on major holidays. Annual budget $50-100,000. 1 Full-time staff. 7 Acres. Newsletter.

Mission: The Sterling Heights Nature Center is located in suburban Detroit on the Clinton River. Tours for school and youth groups emphasize area wildlife and other natural resources, weekly films, natural science programs and children's nature classes are available to the public.

Site and Program Features: The center and its programs seek to make people more aware of their natural environment and encourages them to have a life-long fascination and respect for it.

(578)

Stony Creek Metropark Nature Center

4100 Inwood Rd.
Romeo, MI 48065
(313) 781-4621
Director: Thomas H. Smith
Contact: Roger Bajorek, Supervising Naturalist
Operator: Huron-Clinton Metro. Auth.

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Seasonal changes in schedule. 3 Full-time staff. 800 Acres.

Mission: The Stoney Creek Metropark Nature Center is located about 30 miles north of the city of Detroit. It offers a chance to enjoy the natural environment to urban as well as suburban visitors. The nature center was established to assist the park visitors in their quest for knowledge and understanding of nature.

Site and Program Features: A series of exhibits and displays have been set up in the nature center building to help explain some of the happenings in nature and to serve as an introduction to the self-guiding, labeled nature trails. Special events, workshops, and nature walks are offered throughout the year for families and individuals. Similar services are available to organized adult and/or youth groups by appointment.

STORER CAMPS

(579)

Storer Camps - YMCA

7260 S. Stony Lake Rd.
Jackson, MI 49201
(517) 536-8607 FAX: 536-4922
Director: DeWitt Smith
Contact: Mary Mennel, Dir. Outdoor Educ.
Operator: YMCA of Greater Toledo, OH

Open to youth groups. Day and multi-day programs. Open every day except Saturday, Sunday. Seasonal changes in schedule. Annual budget $500K-1,000,000. 6 Full-time staff. 1200 Acres. Lodging. Fees charged for facility use. Newsletter.

Mission: At YMCA Storer Camps, Outdoor Education is a natural blend of the social and academic experience creating a lifetime impression. It is not just taking students outdoors to teach them what they could learn in a classroom. It is also not just "camp," but is truly an educational experience that cannot be duplicated in the classroom. This experience has long-term implications. Education can generate enthusiasm for learning, to be carried back to the classroom for reinforcement. An important building block in the educational process.

Site and Program Features: YMCA Storer Camps is located on Stony Lake, 12 miles southwest of Jackson, Michigan, and includes 1200 acres of forest, fields, marshlands and a 220-acre spring-fed lake. Two Outdoor Education Centers operate independently nine months of the year. Experienced Directors and trained instructors serve as the support group for teachers to help meet the school system's educational goals in a five-day resident program.

(580)

Sylvania Visitor Center

Corner of Hwy. 45 and Hwy. 2
Watersmeet, MI 49969
(906) 358-4724
Director: Bonnie Peacock
Operator: U.S Forest Service

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: 9-5 Closed Oct. through mid-May. Annual budget $25-50,000. 1 Full-time staff. 40 Acres.

Mission: The mission of the Sylvania Visitor Center is to provide information and assistance to forest users and to interpret natural resources and their management.

Site and Program Features: We have high quality wildlife exhibits (mounted animals) including a loon and a timber wolf. We offer a wide variety of environmental education programs and evening programs with special guest speakers.

(581)

Tamarack Camps

6600 W. Maple Rd.
West Bloomfield, MI 48322
(313) 661-0600

Director: Sam Fisher
Contact: Eric Lipson, Dir. of Outdoor Ed.
Operator: Fresh Air Society of Metro. Detroit

Open to youth groups and the general public. Conference facilities. Day and multi-day programs. Open every day. Hours: By arrangement Residential camp from mid-June-mid-Aug. Closed on major holidays. 6 Full-time staff. 1500 Acres. Lodging. Camping. Fees charged for facility use.

(582)

Anna Scripps Whitcomb Conservatory

Detroit, MI 48207
(313) 267-7133

Director: James Justus
Contact: Peter Thiede, Floriculture Foreman
Operator: City of Detroit, Recreation Dept.

Open to youth groups and the general public. Day programs. Open every day. Hours: 9-5 Seasonal changes in schedule. Annual budget $500K-1,000,000. 16 Full-time staff. 10 Acres.

Mission: We are here to increase the public awareness and understanding of tropical plant material. Most urban people in our area of the country do not have much contact with palm trees, orchids, orange trees, banana plants, etc.

Site and Program Features: The conservatory is separated into five sections which include a palm house, tropical exhibit, cacti and succulent Exhibit, fernery, and a floral display house where seasonal flowers are displayed and changed 6 times during the year. Also included are a water lily pond and formal gardens during the summer.

Unique Features: Tropical plant conservatory and temperate regional gardens.

(583)

Whitehouse Nature Center

Albion College
Albion, MI 49224
(517) 629-2030

Director: Tamara Crupi

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: M-F 9-4:30; Sat-Sun 12-5 Closed on major holidays. Annual budget $25-50,000. 1 Full-time staff. 135 Acres. Newsletter.

Mission: Whitehouse Nature Center offers opportunities through its public programs, group tours, self-guided trails, and interpretive displays for students and nature lovers of all ages to better understand the environment of southern Michigan and their relationship to it.

Site and Program Features: The Center's habitats and trails through marsh, flood plain, hardwood forest, conifer forest, pond area, prairie, old field, wildflower garden, arboretum, and river are all typical of the southern Michigan ecology emphasized by programs for the public presented by the Center for all age groups.

(584)

Wolcott Mill Metropark

4300 Main Park Rd.
Washington, MI 48094
(313) 749-5997

Director: William Sherman
Contact: William Thomas, Park Interpreter
Operator: Huron-Clinton Metro. Author.

Open to youth groups and the general public. Day programs. Open every day. Hours: 9-5 Open May-October Annual budget $50-100,000. 1 Full-time staff. 250 Acres. Fees charged for facility use. Newsletter.

Mission: We hope to help visitors discover the past and create an awareness and appreciation for the by-gone eras. Through learning of our past, perhaps we can make more prudent future choices in living within our environment.

Site and Program Features: The Wolcott Mill Interpretive Center is a historic area centered around a 1 50-year-old grist mill. The area provides a passage for the visitor to step back in time to explore facets of history by various means. Among these methods are hands-on, self-exploratory learning situations.

(585)

Audubon Center of the North Woods

Rt. 1, Box 288
Sandstone, MN 55072
(612) 245-2648
Director: Michael Link
Contact: Craig Prudhomme, Asst. Dir.

Open to youth groups and the general public. Multi-day programs. Open every day. Hours: 8-4. Annual budget $100-250,000. 5 Full-time staff. 535 Acres. Lodging. Camping.

Mission: Our center is oriented towards professional and preprofessional training. It incorporates research, consultation, and cooperative program development in its mission. The primary audience is college age. We mix natural science with our outdoor skills.

Site and Program Features: The Audubon Center of the Northwoods specializes in small groups, incorporates ongoing research into the programming and utilizes an old facility set in virgin pines on a northern lake.

Unique Features: Our site features virgin whitepine.

(586)

Barlage Center for Science

Moorhead State University
Moorhead, MN 56560
(218) 236-2904
Director: Nancy S. Harger
Operator: M.S.U. Foundation

Open to youth groups and the general public. Day and multi-day programs. Open every day except Saturday, Sunday. Hours: 8:30-3:30. Annual budget $50-100,000. 3 Full-time staff. 222 Acres. Newsletter.

Mission: Goals of the Center for Science are to stimulate interest and involvement in science and to provide opportunities for research and experimentation at all educational levels. The program will actively involve individuals of all ages in hands-on science experience and discoveries, and provide activities that help to develop the investigative skills necessary to understand the natural, physical, and social sciences. We wish to simulate enough curiosity to create a lifelong interest and understanding of science education.

Site and Program Features: A visitor to the Science Center is actively involved in hands-on science experiences and discoveries. A broad range of activities is available, including wildlife observation, pond studies, orienteering, tracking, earth science, small mammal population studies and lessons on winter survival and animal adaptation. Learning at the Barlage Center for Science is a multi-disciplinary encounter, and students may also be involved in art, social studies, math and history-related activities which reinforce the science concepts or theme being studied. Programming requests are encouraged to link in with individual school's curriculum.

Unique Features: Lies between strands of the Glacial Lake Agassiz; adjacent to the largest parcel of native prairie in Minnesota; Nature Conservancy owned

(587)

Carpenter St. Croix Valley Nature Center

12805 St. Croix Trail
Hastings, MN 55033
(612) 437-4359
Director: Jim Fitzpatrick
Operator: Carpenter Foundation

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: 8-5 Closed on major holidays. Annual budget $250-500,000. 6 Full-time staff. 425 Acres. Newsletter.

Mission: Carpenter Nature Center is an environmental education facility focusing on a graduated approach to studying natural history and the ecological factors in the riparian and associated grassland habitats of a large midwestern river valley. Primary emphasis is on elementary grade-level school children of the three neighboring school districts, but the center is open to drop-in visitors and works with preschool through graduate school students as well.

Site and Program Features: Special features include a large reconstructed prairie, riparian woodlands, an organically managed apple orchard, wildlife rehabilitation facilities, self-guided trails, an apiary, sugar bush and an interpretive staff that prides itself on quality presentations.

Unique Features: One mile of shoreline on wild and scenic St. Croix River.

(588)

Chippewa National Forest

Rt. 3, Box 244
Casi Lake; MN 56633
(218) 335-2226
Director: Bill Spinner
Contact: Nancy Berlin, Public Affairs Spec.
Operator: U.S. Forest Service

Open to youth groups and the general public. Open every day except Monday, Sunday. Hours: 7:30-5:00 Closed on major holidays. 150 Full-time staff. 640,000 Acres. Newsletter.

Mission: To manage over 640,000 acres of national forest and provide the public with opportunities to enjoy the national forest. Our mission: "Caring for the land and serving people."

Site and Program Features: Tall pines, sparkling lakes and the highest breeding population of bald eagles in the lower 48 characterize the Chippewa National Forest.

(589)

Deep-Portage Conservation Reserve

Rt. 1, Box 129
Hackensack, MN 56452
(218) 682-2325
Director: Mike J. Naylon
Contact: Lynn Peterson, Administrative Assistant
Operator: Cass County/Deep-Portage Conserv. Found.

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: M-Sat. 8:30-4:30; Sun. 12N-4:30. Annual budget $250-500,000. 6 Full-time staff. 6100 Acres. Lodging. Fees charged for facility use. Newsletter.

Mission: The mission of Deep-Portage is to demonstrate natural resource management and provide community service, environmental education, research, and outdoor recreation.

Site and Program Features: Our reserve is composed of 6,100 acres of hilly forests, lakes, bogs and a river where we practice modern management techniques to assure the preservation of the usefulness of our resources. Our environmental education classes/programs are aimed at enlarging your understanding and appreciation in the hopes that you will contribute to the maintenance of our natural resources for future generations.

(590)

Thomas Irvine Dodge Nature Center

1795 Charlton St.
West St. Paul, MN 55118
(612) 455-4531
Director: James M. Malkowski
Contact: Alan Singer, Senior Naturalist
Operator: Thomas Irvine Dodge Foundation

Open to youth groups and the general public. Day programs. Open every day except Saturday, Sunday. Hours: 8-4:30 (some evenings & weekends) Closed on major holidays. Annual budget $500K-1,000,000. 6 Full-time staff. 340 Acres. Newsletter.

Mission: To make people aware of the natural environment and their interrelationship with it through the development and maintenance of a natural preserve and the development and promotion of quality, educational programs. The Nature Center strives to instill the values, skills and knowledge which inspire a greater understanding and respect for our environment and enables one to become a responsible and caring steward of our natural resources.

Site and Program Features: The variety of habitats and the resulting variety of wildlife in a suburban setting lends itself very well to our Graduated Program. This program consists of 26 distinct, sequential environmental and outdoor education units which have been integrated into the science curriculum of three schools districts (12 elementary schools). Thus, each K-6 student visits the Nature Center 3-4 times per year at each grade level as part of this contractual arrangement between the public and private sector.

(591)

Eastman Nature Center Elm Creek Park Reserve

13351 Elm Creek Rd.
Osseo, MN 55369
(612) 420-4300
Director: Lee Ann Landstrom
Operator: Hennepin Parks

Open to youth groups and the general public. Day programs. Open every day. Hours: 9-5. Annual budget $100-250,000. 4 Full-time staff. 5400 Acres. Camping. Fees charged for facility use. Newsletter.

Mission: Our primary focus is school-age environmental education. We also emphasize teacher training and general public/adult outdoor education. Our message is the importance of natural resources preservation; we encourage a variety of outdoor recreation activities so that people can enhance their lives in our natural resources-based parks system.

Site and Program Features: Eastman Nature Center is located in Elm Creek Park Reserve, amidst 5,400 acres of fields, forests, lakes and streams. A system of hiking trails provides access for viewing wildlife. The interpretive area near the center includes an herb garden, butterfly garden, a pond study area, an outdoor classroom and picnic tables. Inside, visitors can see a live bull snake and an active beehive, or relax and watch a variety of birds at the feeders.

(592)

J. C. Hormel Nature Center

Austin, MN 55912
(507) 437-7519
Director: Larry Dolphin
Operator: City of Austin

Open to youth groups and the general public. Conference facilities. Open every day. Hours: M-sat. 9-12, 1-5; Sun. 1-5 Closed on major holidays. Annual budget $50-100,000. 3 Full-time staff. 278 Acres. Newsletter.

Mission: To provide recreational and environmental education experiences in the outdoors to help people better appreciate and understand their earth.

Site and Program Features: The resource base is diverse with water, prairie and woodland to interpret. There is excellent community support. The program emphasis is for school children K-5. There are also many fund educational programs offered to the public.

Unique Features: Features include: 300-year-old burr oak, 25-acre reconstructed prairie, 125-ton glacial eratic.

(593)

Owen Johnson Interpretive Center Helmer Myre State Park

Rt. 3, Box 33
Albert Lea, MN 56007
(507) 373-5084

Director: Elaine R. Lukema
Operator: Minnesota State Parks

Open to youth groups and the general public. Conference facilities. Day and multi-day programs. Open Friday, Saturday, Sunday. Annual budget less than $10,000. 1600 Acres. Camping. Fees charged for facility use. Newsletter.

Mission: Our mission is to interpret the relationships of Minnesotans to their environment through time. Our program goals: (1) to stimulate increased enthusiasm, enjoyment and understanding of natural and cultural resources in Minnesota; (2) to assist in protecting each state park's resources; (3) to promote public understanding and awareness of, and support for, the Minnesota Department of Natural Resources and its division of Parks and Recreation.

Site and Program Features: Helmer Myre State Park lies in a transitional zone where prairie meets woods. A rich archaeological site with burial mounds and village sites, the Owen Johnson Interpretation Center houses one of midwest's largest collections of artifacts representing the four periods dating back 9,000 years. On the north shore of Albert Lea Lake, the park is a staging ground for the endangered white pelican with sightings in the thousands spring and fall. The Glacial Esker on the north-most part of the park runs 1 3/4 miles and rises 60 feet. This sorted sand/gravel ridge snakes along barren of trees and shrubs that grow on either side. Interpretive center/museum is open weekends during Memorial Day through Labor Day and as scheduled the remaining part of the year. Open upon advance (2 week) request for programs, hikes, movies, special events. Site of Big Island Rendezvous first weekend in October each year. Rendezvous attendance: 25,000.

(594)

Oliver H. Kelley Farm

15788 Kelley Farm Rd.
Elk River, MN 55330
(612) 441-6896

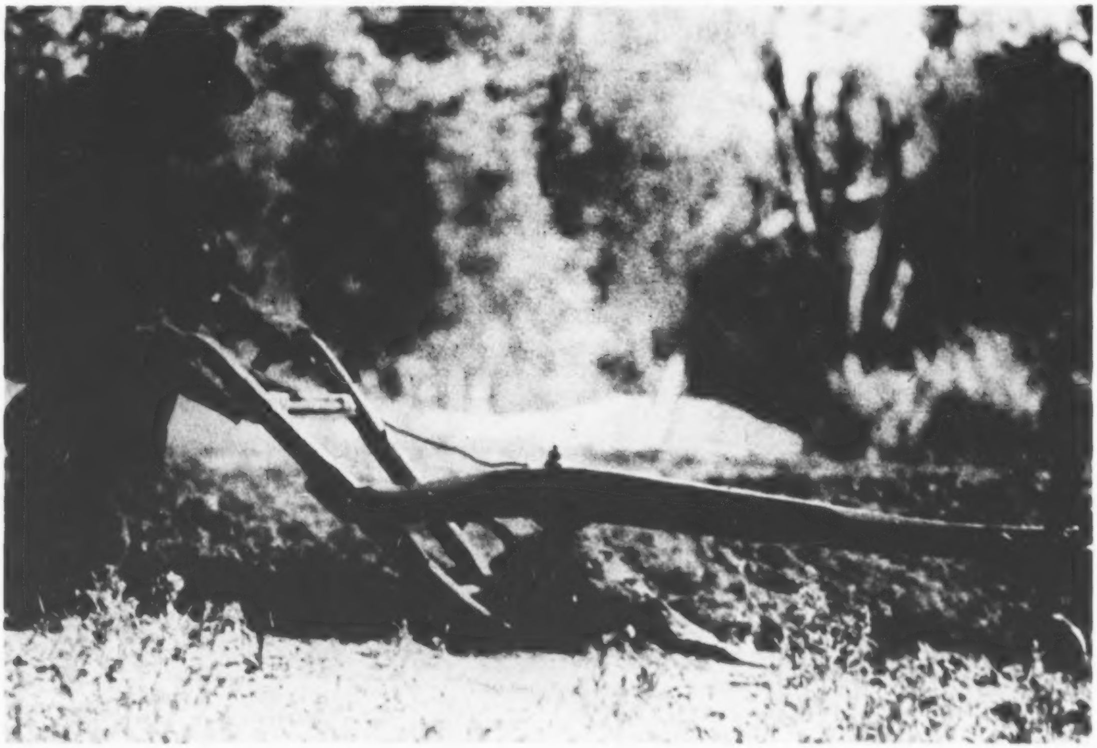
Director: Jim Mattson
Contact: Bob Quist, Asst. Site Manager
Operator: Minnesota Historical Society

Open to youth groups and the general public. Day programs. Open every day. Hours: 10-5 Closed Nov. 1-April 1. Closed on major holidays. Annual budget $250-500,000. 2 Full-time staff. 189 Acres. Fees charged for facility use.

Mission: Our mission is to interpret the rural lifestyle of mid-to-late-nineteenth century Minnesota and the role played by Oliver H. Kelley in the history of the local area, the state and the nation by recreating cultural and natural features no longer existing, preserving artifacts appropriate to the rural lifestyle of the Kelley family, and by interpreting the historic site and the social and cultural context within which it existed.

Site and Program Features: The Kelly Farm occupies 189 acres of prairie, oak openings and floodplain along the Mississippi River. We emphasize the development and changes in agricultural history. Interpretation of the interplay of natural and cultural history allows us to consider how that interplay has shaped the modern environment on the Kelley Farm and elsewhere, giving insight into current environmental problems with which to approach current and future environmental problems.

Unique Features: Farmstead, 189 acres, located in rural setting within 45 minutes of Minneapolis/St. Paul. Over one mile of frontage on the Mississippi River, 60 acres of restored mesic prairie, 65 acres of burr oak woods.



(595)

Lake Carlos Environmental Center

Rt. 5, West Lake Carlos
Alexandria, MN 56308
(612) 846-2431
Director: Susan Harris
Operator: Luther Crest Bible Camp

Open to youth groups. Day and multi-day programs. Open every day. Hours: 7:30 am - 11 pm. Annual budget less than $10,000. 1 Full-time staff. 90 Acres. Lodging. Camping. Fees charged for facility use.

Mission: The Lake Carlos Environmental Center's Program enables people to develop a closer relationship to the earth and gives a better understanding of nature through creative learning and interaction. Goals include: (1) To develop awareness and appreciation for personal environments through natural, social, valuing and action contexts; (2) To provide an education in the principles of ecology, natural history and outdoor skills through an interdisciplinary approach; (3) To encourage responsible stewardship of the earth; (4) To promote a sense of wonder toward the natural environment; and (5) To help develop a greater sense of self-worth and quality of life.

Site and Program Features: Our facilities are excellent for year-round use. Lake, pond, marsh, virgin maple basswood forest, native prairie, and proximity to the state park give a wide variety of study areas. Lesson plans, teacher planning guide, free orientation workshops, curriculum workshops and school visits help to design a program especially for each group which is founded on the mandates of Minnesota's Elementary Education Rule.

Unique Features: 4-acre native prairie site, virgin maple - basswood forest remnant, Lake Carlos is one of the deepest in the area.

(596)

Litchfield Wetland Management District

305 N. Sibley
Litchfield, MN 55355
(612) 693-2849
Director: Sam Waldstein
Operator: U.S. Dept. of Interior, Fish & Wildlife Service

Open to the general public. 28,509 Acres.

Mission: Waterfowl Production Areas are primarily prairie wetlands with associated uplands managed to provide nesting areas for waterfowl. Management of the WPAs is aimed at encouraging the most favorable wetland and upland food and cover for waterfowl production.

Site and Program Features: Waterfowl Production Areas of the Litchfield Wetland Management District are scattered through the western prairie areas of Minnesota and are all a remnant of a vast sea of grasslands interspersed with marshes. They are dedicated to the perpetuation of this country's waterfowl heritage.

Unique Features: Unique features include 135 waterfowl production areas covering 28,509 acres of land scattered throughout 10 widely dispersed counties in central and southcentral Minnesota.

(597)

Long Lake Conservation Center

Rt. 2, Box 2550
Palisade, MN 56469
(218) 768-4653
Director: Robert Schwaderer
Contact: Pam Carlson, Admin. Coordinator
Operator: Aitkin County Parks Commission

Open to youth groups. Conference facilities. Multi-day programs. Open every day. Hours: 8 am-10:30 pm School year program and summer camp. Annual budget $250-500,000. 5 Full-time staff. 720 Acres. Lodging. Newsletter.

Mission: Long Lake Conservation Center's programs are designed to promote conservation-wise use-of all resources. This theme is the common thread interwound throughout all the center's diverse program offerings for students and adults alike.

Site and Program Features: At 25 years, LLCC is Minnesota's oldest continually operated conservation education facility. Nearly 7,000 children and adults are served year-round (all residential). In addition to 13 full- and part-time employees, LLCC offers internship opportunities to a wide variety of both traditional and nontraditional interns.

Unique Features: Nearly 600 acres of bogs are available to our facility.

(598)

Lowry Nature Center

P.O. Box 270
Victoria, MN 55386
(612) 472-4911
Director: Roger Stein
Operator: Hennepin Parks

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: M-F 9-5; Sat. 9-8; Sun. 12-6 Seasonal changes in schedule. Annual budget $100-250,000. 3 Full-time staff. 460 Acres. Camping. Fees charged for facility use. Newsletter.

Mission: To increase the appreciation and awareness of the natural environment in school-age children, and to assist adults to better use and understand their natural world.

Site and Program Features: Every naturalist-led program is tailored to the special needs of the individual groups that use the nature center area. In the 460 acres is a variety of plant habitats with a good variety of animals.

Unique Features: Tamarack swamp.

(599)

Maplewood Nature Center

2659 E. 7th St.
Maplewood, MN 55119
(612) 738-9383
Director: Janet Grew
Operator: City of Maplewood

Open to youth groups and the general public. Day programs. Open every day. Hours: M-Sat. 8:30-5; Sun. 12-5 Closed Sunday Nov.-March Closed on major holidays. Annual budget $50-100,000. 1 Full-time staff. 40 Acres. Newsletter.

Mission: Our mission is to manage an outdoor environment for the enrichment and education of the public, and to promote environmental awareness and stewardship through nature interpretation.

Site and Program Features: Program emphasis is placed on natural history of local fauna and flora. We strive to meet environmental education and leisure needs of metropolitan communities. We specialize in age-specific activities for toddler, preschoolers, elementary and junior high.

"This is what it was like to plow in the 1850s". Photo courtesy of Oliver H. Kelley Farm.

(600)

Menogyn - YMCA Wilderness Adventures

4 W. Rustic Lodge Ave.
Minneapolis, MN 55409
(612) 823-5282
Director: Rolf Thompson
Operator: YMCA of Minneapolis

Open to youth groups and the general public. Multi-day programs. Open every day. Hours: As arranged. Seasonal changes in schedule. Annual budget $250-500,000. 2 Full-time staff. 80 Acres. Lodging. Newsletter.

Mission: The purpose of YMCA Camp Menogyn is to help people of all backgrounds to grow as mature and responsible individuals by exposing them to Christian principles, trained leadership, and wilderness experiences. Menogyn provides group experiences which give participants and staff the opportunity to gain a deeper understanding of themselves, their relationship to God, one another, and the world around them.

Site and Program Features: Menogyn is a unique wilderness camp. Located on the edge of the Boundary Waters Canoe Area of northeastern Minnesota, there is no direct road access to the camp. As you cross the lake by boat or canoe, you enter a new world, leaving behind much of the trappings of civilization.

Unique Features: Menogyn is a remote wilderness site. There is no road access; you must cross the lake by boat or canoe.

(601)

Minnesota Historical Society

Grand Mound History Center
Rt. 7, Box 453
International Falls, MN 56649
(218) 279-3332
Contact: Michael K. Budak, Site Manager

Open to youth groups and the general public. Day programs. Open every day. Hours: 10-5 Labor Day - 4/31: Sat. 10-4; Sun 12-4. Annual budget $50-100,000. 1 Full-time staff. 70 Acres.

Mission: To educate the public about the 10,000 years of human culture in the area, and how it has been influenced by the changing environment.

Site and Program Features: Site is a human, seasonal habitation area used for the past 5,000 years which also contains burial mounds 2,000 years old; is a virgin riparian hardwood forest very unique for the region (area around site is boreal forest). Program offers unique hands-on experience of prehistoric Indian culture lifeways and how they interacted with the environment.

Unique Features: Largest Indian burial mound in upper-midwest (1 of 5 on site); rare riparian deciduous forest in boreal forest area.

(602)

Minnesota Landscape Arboretum

3675 Arboretum Dr.
Chanhassen, MN 55317
(612) 443-2460
Director: Peter Olin
Contact: Merv Eisel, Educational Coordinator
Operator: University of Minnesota

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: 8-sunset Shorter hours in winter. Annual budget more than $1,000,000. 900 Acres. Fees charged for facility use. Newsletter.

Mission: The mission of the Minnesota Landscape Arboretum, as part of the University of Minnesota, is to provide education in horticulture and landscape design; to develop and evaluate plants for Minnesota and the Upper Midwest; and to inspire and delight visitors with quality plants in well-designed and well-maintained displays.

Site and Program Features: Minnesota Landscape Arboretum contains natural woodland and rolling hills, meadows and wetland, restored prairie, extensive plant collections, landscaped gardens and greenhouses. The research program is focused on the introduction and evaluation of plants for landscape use. An extensive array of educational programs is available for adults, children and families to explore the world of plants and gardening.

(603)

Minnesota Valley National Wildlife Refuge

4101 E. 80th St.
Bloomington, MN 55425
(612) 854-5900
Contact: John Schomaker, Sr. Ooutdoor Rec. Planner
Operator: U.S. Fish & Wildlife Service

> Open to youth groups and the general public. Day programs. Annual budget $500K-1,000,000. 23 Full-time staff. 7500 Acres. Newsletter.

Mission: The Minnesota Valley National Wildlife Refuge provides opportunities for people to observe and learn about the valley's wildlife. The Wildlife Interpretation and Education center (opening 1990) will provide space for exhibits describing wildlife management and programs of environmental education and nature interpretation.

Site and Program Features: Located along a 72-mile stretch of the Minnesota River between Fort Snelling and Le Sueur. Approximately 24,000 acres of floodplain marsh, grasslands and forests will ultimately be included with the refuge, recreation area and state trail. The refuge portion of the area is managed by the U.S. Fish and Wildlife Service with two main objectives: to provide habitat for a diversity of plants and animals and to provide opportunties for people to observe and learn about the valley's wildlife. The recreation area is managed by local, city, and county governments and by the Minnesota Dept. of Natural Resources. These agencies are developing recreational and educational opportunities that are compatible with the valley's natural resources.

(604)

Morris Wetland Management District

Rt. 1, Box 208
Morris, MN 56267
(612) 589-1001
Director: Alfred Radtke
Operator: U.S. Fish and Wildlife Service

> Open to youth groups and the general public. Conference facilities. Day programs. Open every day except Saturday, Sunday. Hours 7:30-4:00. Closed on major holidays. Annual budget $250-500,000. 9 Full-time staff. [illegible] Acres. Newsletter.

Mission: The primary objective is increasing waterfowl population. We purchase and manage habitat for waterfowl. We also want to educate the public, no matter what age, about the resources that are around us.

Site and Program Features: The special features are our waterfowl production areas (lands we manage). They provide people with a variety of activities such as birdwatching, photography, skiing, and hiking.

Unique Features: Unique features include granite outcroppings of Big Stone County.

(605)

Mounds View North Environmental Learning Center

8950 Peppard Rd.
Britt, MN 55710
(218) 749-1288
Contact: Tom Tiemens, Coordinator
Operator: Mounds View School Dist. #621

> Open to youth groups and the general public. Conference facilities. Open every day. Closed on major holidays. Annual budget $100-250,000. 2 Full-time staff. 100 Acres. Lodging. Fees charged for facility use.

Mission: Mounds View North provides a residence facility, a pristine environmental study area, and expert instructional staff for quality, hands-on learning experiences for primarily upper elementary school children.

Unique Features: Located within boundaries of the Superior National Forest.

(606)

Quarry Hill Nature Center

701 Silver Creek Rd. NE
Rochester, MN 55904
(507) 281-6114
Director: Greg Munson
Operator: Rochester Park & Rec. Dept.

> Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: M-F 8-4:30; Sun. 1-4. Annual budget $100-250,000. 1 Full-time staff. 212 Acres. Newsletter.

Mission: The mission of Quarry Hill Nature Center is to provide an environment, including biomes, facilities, staff and equipment, which will instill environmental principles and ethics into the individual participants of each and every program. Such an environment will be designed to nurture an appreciation for the natural world as a place to enjoy as well as preserve for future generations.

Site and Program Features: Located with 5 minutes of the Mayo Clinic. Quarry Hill Park and Nature Center offers a variety of natural habitats: forest, prairie, stream and pond, as well as displays, which are used to teach environmental education to school groups, teachers and general public. In addition, 212-acre Quarry Hill Park is richly embedded in human history and remnants of the former adjacent State Hospital.

Unique Features: Abandoned limestone quarry. Man-made caves dug into sandstone, previously used for food storage.

(607)

Richardson Nature Center

8737 E. Bush Lake Rd.
Bloomington, MN 55438
(612) 941-7993
Contact:: Denis R. Hahn, Outdoor Ed. Supervisor
Operator: Suburban Hennepin Regional Park Dist.

Open to youth groups and the general public. Day programs. Open every day. Hours: 9-5 + 5 pm-9 pm Tuesdays. Annual budget $100-250,000. 3 Full-time staff. 1000 Acres. Newsletter.

Mission: Our mission is to provide outdoor education programming on natural/cultural history that will instill an environmental ethic in our users.

Site and Program Features: The physical features of prairie, woodland and ponds offer a tremendous variety for the natural history program. An elementary school age outdoor education curriculum has been developed to dove-tail with the local school district's science curriculum.

Unique Features: Our site features a 30-acre restored prairie, six ponds near the nature center, and oak-aspen woodland.

(608)

River Bend Nature Center

Box 265
Faribault, MN 55021
(507) 332-7151
Director: Ron Osterbauer

Open to youth groups and the general public. Day programs. Open every day. Hours: Sunrise-Sunset. Annual budget $100-250,000. 3 Full-time staff. 647 Acres. Newsletter.

Mission: Using education to preserve nature's legacy for future generations.

Site and Program Features: Impacting the local community through the implementation of carefully designed and on-going environmental curricula.

Unique Features: Contains the largest colonies of the Minnesota dwarf trout lily found in only two counties in the entire world.

(609)

Sherburne National Wildlife Refuge

Rt. 2
Zimmerman, MN 55398
(612) 389-3323
Operator: U.S. Government - Fish & Wildlife Serv.

Open to youth groups and the general public. Day programs. Open every day except Saturday, Sunday. Hours: 8-4. Tour route closed in winter. Closed on major holidays. Annual budget $250-500,000. 7 Full-time staff. 31,000 Acres.

Mission: Sherburne NWR serves as a link in the Mississippi Flyway as a waterfowl stopping point. It also serves as a major production area for waterfowl and other migratory birds including bald eagles. These wildlife objectives are paramount to public use but there is also room for a lot of public uses in certain seasons. We serve as an outdoor classroom site for the local area.

Site and Program Features: Sherburne NWR is a remnant of the prairie/oak savanna that once covered much of this area. It is managed through prescribed burning and water level control.

(610)

Sibley State Park Interpretive Center

800 Sibley Park Rd. N.E.
New London, MN 56273
(612) 354-2055
Director: Dick Clayton
Operator: Minnesota Dept. of Natural Resources

Open to youth groups and the general public. Day programs. Open every day. Hours: 9-5. Memorial Day to Labor Day Thurs-Sun, 8-4:30, Fall, Winter, Spring. Annual budget $25-50,000. 1 Full-time staff. 2300 Acres. Fees charged for facility use.

Mission: We attempt to provide educational entertaining activities that relate to the natural and cultural resources of Sibley State Park and surrounding area.

Site and Program Features: Sibley State Park is located in the transition zone between eastern forest and western prairie area of Minnesota. The park is a mosaic of rolling wooded hills, wetlands and grassy openings nestled along the shores of Lake Andrew. It is a major year-around recreational facility.

(611)

Springbrook Nature Center

6431 University Ave.
Fridley, MN 55432
(612) 784-3854
Director: Siah St. Clair
Operator: City of Fridley

Open to youth groups and the general public. Day programs. Open every day. Hours: 9-9. Annual budget $100-250,000. 3 Full-time staff. 127 Acres. Newsletter.

Mission: The mission of Springbrook Nature Center is to provide the opportunity through many mediums for people to learn about and experience the natural world. Examples would include interpretive trails, exhibits, demonstrations, illustrated talks, storytelling, music, interactive hands-on programming, etc.

Site and Program Features: Springbrook Nature Center has a strong program based on diversity with programming occurring from 9AM to 9PM, seven days a week. There is a focus on programming for families, with extensive opportunity remaining for subgroups such as school classes, adults, seniors, teens, pre-schools and other special populations. Handicap accessible trails allow a balance of indoor and outdoor program orientation.

(612)

St. Paul's Como Zoo

Midway Pkwy. & Kaufman Dr.
St. Paul, MN 55103
(612) 488-4041

Director: Victor L. Camp
Operator: City of St. Paul

Open to youth groups and the gene:al public. Day programs. Open every day. Hours: 8-8 Oct.-Mar. 8-5. annual budget $500K-1,000,000. 2 Full-time staff. 11 Acres. Newsleter.

Mission: To provide free, quality public recreation within an urban environment and perpetuate awareness of wildlife and conservation through formlized education. To improve exotic animal management and contribute to conservation strategies through tnining and research. To improve environments for captive wildlife and the public.

Site and Program Features: Admission to our zoological park is free. Annual visitation is between 43 and 50% of our total, seven county, metro population. All education programs are developed with and implemented through volunteers. Our institution has strong public support. Visitation frequently involves the thre generations in many families.

(613)

Tamarac National Vildlife Refuge

HC 10, Box 145
Rochert, MN 56578
(218) 847-2641

Contact: Betsy Beneke, Refuge Guide
Operator: U.S. Fish & Wildlife Servic

Open to youth groups and the general public. Day programs. Open every day except Saturday, Sunday Hours: M-F 7:30-4; Sat.-Sun. 12-5 Closed Sat.-Sun. Labor-Memorial days Closed on major holidays. Annual budget $250-500,000. 2 Fll-time staff. 43,000 Acres.

Mission: "Our main goal on a NR is wildlife production. Because environmental education is an important part of continued wise use of resources, we also offer programs that promote this idea.

Site and Program Features: Tamarac Refuge is nearly 43,000 acres, and offers a variety of habitatypes. This diversity allows visitors ample opportunities for a variety of nature studies. Special programs are available for groups that are interested in a closer look at our wildlife ecology.

Unique Features: We are the junction of southern hardwood and northern coniferous forests and sit on the eastern edge of the prairie pothole region.

(614)

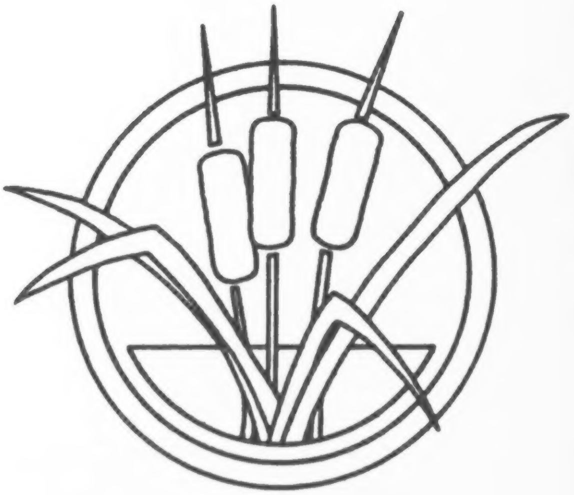
Tamarack Nature enter

5287 Otter Lake Rd.
White Bear Lake, MN 55110
(612) 429-7787

Director: Megan Strike
Operator: Ramsey County Dept. of Parks and Rec.

Open to youth groups and the general public. Open every day. Hours [illegible] Annual budget $50-100,000. 1 Full-time staff. 320 Acres. Newsletter.

Mission: To enhance people's life and preserve our natural resources by increasing public awareness and [illegible] of the out of doors through nature interpretation and opportunities to recreate in a natural setting.



Westwood Hills Environmental
Education Center

(615)

Lee and Rose Warner Nature Center

Science Museum of Minnesota
30 E. Tenth St.
St. Paul, MN 55101
(612) 433-2427

Director: B. A. Fashingbauer

Open to youth groups and the general public. Conference facilities. Day and multi-day programs. Open every day. Hours: 8-4:30 Seasonal changes in schedule. Annual budget $100-250,000. 3 Full-time staff. 3 Acres.

Mission: Our mission is to aid in the outdoor education of both children and adult members of our community and beyond, and encourage them to demand sound environmental policies and legislation on local, state, national and international levels, and encourage wise use of our natural resources.

Site and Program Features: Our site consists of 100 acres of natural upland hardwood forest, grassland, lake, marsh and sphagnum bog. It adjoins 500 acres of similar land and water with similar use and management policies. The site lends itself particularly to outdoor adventures with a wildlife management flavor. Staff are principally professional and avocational wildlife managers who are capable of integrating outdoor enjoyment with the basics of natural resource management and a sense of stewardship.

Unique Features: We have a three-acre bog in a sphagnum bog containing plants generally found 200 miles further north. It contains insects and carnivorous plants among others.

(616)

Westwood Hills Environmental Education Center

8300 W. Franklin Ave.
St. Louis Park, MN 55426
(612) 924-2544
Contact: Patricia P. Jostad, Manager/Naturalist
Operator: City of St. Louis Park

> Open to youth groups and the general public. Day programs. Open every day. Hours: M-F 8-4:30; Sat-Sun 12-5 Annual budget $100-250,000. 3 Full-time staff. 150 Acres.

Mission: Our goals are to protect, preserve and improve the park land resource–its flora and fauna; provide a setting or peace and serenity for people to escape the fast pace of the city; and educate wherever and however possible about the natural history of Westwood and healthy environmental attitudes.

Site and Program Features: Our site gives us easy access to all major local habitats, making it easy to provide a well-rounded educational program. We have a graduated K-6 curriculum, with our participating schools bringing the children in the fall, winter and spring every year of their elementary career. This gives us the opportunity to cover a broad spectrum of topics with the children before we lose them to the difficulties of modular scheduling in junior and senior high school.

Unique Features: We have a terminal moraine on-site which gives us a high point unique to the area. There is one other in the county at Hyland Lake Park Reserve.

(617)

Wilder Forest

14189 Ostlund Trail North
Marine on St. Croix, MN 55047
(612) 433-5198
Director: Jim Mason
Contact: Julie Berg, Registrar
Operator: Amherst H. Wilder Foundation

> Open to youth groups. Conference facilities. Day and multi-day programs. Open every day. Annual budget more than $1,000,000. 6 Full-time staff. 1124 Acres. Lodging. Camping. Fees charged for facility use. Newsletter.

Mission: To promote and enhance the care of human and natural communities by assisting people and organizations to respond more effectively to change and social need, and by providing demonstration of environmental stewardship.

Site and Program Features: A center for experiential learning, community leadership development, and residential learning, linking concerns for the natural environment with those of the social environment.

project WILD

See Appendix B to learn about this and other curriculum and programs available to nature centers.

(618)

Wolf Ridge E.L.C.

230 Cranberry Rd.
Finland, MN 55603
(218) 353-7414
Director: Jack Pichotta
Contact: B.J. Smith Kohlstedt, School Program Coordin.

> Open to youth groups and the general public. Multi-day programs. Open every day. Seasonal changes in schedule. Closed on major holidays. Annual budget $500K-1,000,000. 6 Full-time staff. 1200 Acres. Lodging. Camping.

Mission: As an accredited school, the goal of Wolf Ridge ELC is to rekindle the concept of stewardship, in students of all ages, through educational enrichment in the outdoors. We work primarily with elementary and secondary school students during the school year but offer weekends and summer programs for all audiences.

Site and Program Features: Wolf Ridge ELC is located on 1,200 acres overlooking Lake Superior, including lakes, streams, woods, wetlands and rock outcrops. We provide 200 students weekly with food, lodging and instruction, using an indoor rock climbing wall, ropes course, orienteering course, voyageur and Ojibwa sites, ski trails, remote study sites, and "Cree," our resident wolf.

(619)

Wood Lake Nature Center

735 Lake Shore Dr.
Richfield, MN 55423
(612) 861-4507
Director: Ann Sigford
Operator: City of Richfield

> Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: M-Sat. 8-30-5, Sun. 1-5. Seasonal changes in schedule. Annual budget $250-500,000. 5 Full-time staff. 150 Acres.

Blindfolding the eyes helps to increase the sensitivity of the other senses. This and other "awareness" activities are the first step to effective environmental education. Photo courtesy of the National Park Service, Tupelo NEED center.

(620)

Zollman Zoo/Oxbow Nature Center

Rt. 1, Box 170
Byron, MN 55920
(507) 775-2451

Director: Thomas J. Ryan

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Seasonal changes in schedule. Annual budget $100-250,000. 2 Full-time staff. 572 Acres. Lodging. Camping. Newsletter.

Mission: To increase the levels of E.A. of the people of Olmsted County and southeast Minnesota. To dispel all of the fears, misconceptions, and traditional bias formed when one is unaware of their natural world. Grass roots Environmental Ed. from food chains to flora and fauna I.D., and everything in between.

Site and Program Features: The 572-acre park includes an animal shelter zoo which features native Minnesota wildlife (non-releasables) in a small "folksy" fashion. Nature center shows natural history diversity within the park. The biggest assets include dedicated, educated staff, community support, high tax base, and heavy press exposure.

(621)

Arkabutla Lake

U.S. Army Corps of Engineers
Rt. 1 Box 572
Coldwater, MS 38618
(601) 562-6261 FAX: 562-8972

Open to the general public. Open every day.

(622)

Biloxi Seafood Industry Museum Inc.

Box 1907
Biloxi, MS 39533
(601) 435-6320
Director: Terese P. Collins
Contact: Robin K. Seymour, Manager

Open to youth groups and the general public. Conference facilities. Day programs. Open every day except Monday. Hours: T-Sat. 9-5; Sun. 12-5 Closed on major holidays. Annual budget $25-50,000. 3 Full-time staff. 1 Acre. Fees charged for facility use. Newsletter.

Mission: The museum is an organization of interested citizens whose purpose it is to establish and maintain exhibits of artifacts and artistic demonstrations pertaining to the seafood industry, as it was originally founded and expanded into an important aspect of the past and present culture and economy of the State of Mississippi. It is a museum of Gulf Coast social-economic cultural history and heritage as it relates to the seafood industry.

Site and Program Features: We presently have a hands-on discovery room for children. Other exhibits are our Marine Blacksmithing, Boats of Biloxi, Lewis Hine Exhibit, and Shrimping and Crabbing. In addition to our main exhibits, the museum also contains a variety of seafood industry related artifacts such as early boat engines, lighthouse lens, etc., which will further one's understanding of the industry and its ancillary components. Each year on the second Saturday in May, we have our Heritage Festival, which is one great day of family fun. Also, we have the Gulf States Model Boat Exhibit in November of each year.

(623)

Center for Environmental Energy & Science Education

1325 Lunch St.
Jackson, MS 39217
(601) 968-2189
Director: Dr. Grover D. Barnes
Operator: Jackson State University

Open to youth groups. Multi-day programs. Open every day except Saturday, Sunday. Hours: 9-12 Seasonal changes in schedule. Closed on major holidays. Annual budget less than $10,000. 3 Acres. Lodging. Newsletter.

Mission: Our mission is to develop a citizenry that is aware of, and concerned about, the total environment, and its associated problems, and which has the knowledge, attitudes and skills to work individually and collectively toward solutions of current problems and the prevention of new ones. To develop in the following areas: teacher training, program development, regional services, and research.

The Institute for Earth Education offers many innovative programs. Learn more about them in Appendix C.

(624)

The Crosby Arboretum

1801 Goodyear Blvd.
Picayune, MS 39466
(601) 798-6961
Director: Edward L. Blake
Contact: Katherine Furr, Registrar

Open to youth groups and the general public. Day programs. Open Saturday, Sunday. Hours: Sat 10-3; 1st Sun/mnth 2-4; by appt. Closed 12/3-3/17. Annual budget $100-250,000. 2 Full-time staff. 1600 Ares. Fees charged for facility use. Newsletter.

Mission: The Crosby Arboretum shall be concerned with thescientific, horticultural, and aesthetic role of the native trees and associaed flora of the Pearl River Drainage Basin in both natural and urban lanscapes. Its displays, education programs, public service activities, and esearch efforts shall reflect this focus.

Site and Program Features: Through protection, interpetation, and display of ecosystems, we provide enjoyment of natural beuty and educational and research opportunities for people from all walk of life, while preserving our natural heritage for the future.

(625)

Grenada Lake Field Office

U.S. Army Corps of Engineers
Box 903, Scenic Rt. 333
Grenada, MS 38901-0903
(601) 226-5911
Director: Tom Norton
Contact: Melissa Miller, Supervisory Park Ranger

Open everyday. Hours 9-12, 1-4 Seasonal changes in schedule. Closed on major holidays. 87,000 Acres. Lodging. Camping.

(626)

Mississippi Agriculture and Forestry Museum

1150 Lakeland Dr.
Jackson, MS 39211
(601) 354-6113
Director: Milton Walker
Contact: Billy Cox, Public Relations

Open to youth groups and the general public. Conference facilities. Day programs. Open every day except Monday. Hours: T-Sat 9-5; Sun. 1-5 Closed on major holidays. 12 Full-time staff. 39 Acres. Fees charged for facility use.

Mission: The Museum seeks to preserve, exhibit, and interpret the vanishing heritage of the State's rural regions, focusing on the important contributions of agriculture and forestry to the development of Mississippi and the nation. The traditions and history of our agrarian past are captured so future generations can understand their roots to the soil.

Site and Program Features: The 40,000 square feet of exhibits in the Heritage Center are of superb quality and authenticity. Outside there is a complete 1860 homestead restored to the 1920's era. The 1920's Small Town contains many buildings including a General Store with a gift shop. Picnic tables are located behind the church. There is a boardwalk nature trail with a swinging bridge and spur trails for the more adventurous.

(627)

Mississippi Museum of Natural Science

111 N. Jefferson St.
Jackson, MS 39202
(601) 354-7303
Director: Libby Hartfield
Contact: Janet Boswell, Education Coordinator
Operator: Mississippi Dept. of Wildlife

Open to youth groups and the general public. Conference facilities. Day programs. Open every day except Sunday. Hours: M-F 8-5; Sat. 9:30-4:30 Closed on major holidays. Annual budget $500K-1,000,000. 17 Full-time staff. 1 Acre. Newsletter.

Mission: The purpose of the Mississippi Museum of Natural Science (MMNS) is to increase knowledge of the natural sciences, particularly as they pertain to the conservation of Mississippi's wildlife resources, and to disseminate this knowledge among mankind.

Site and Program Features: The museum will increase knowledge by: collecting specimens and data of Mississippi wildlife resources--plant life and animal life--past and present, and related subjects; providing proper storage and care for the collected specimens and data, in keeping with professionally accepted museum standards and practices; and conducting research on these collections and insuring, in accordance with approved procedure, the availability of the collections to the public for research, education and exhibition purposes.

The museum will disseminate knowledge through: interpretive exhibits, formal and informal teaching, symposiums, workshops, meetings, programs, public addresses, and the news media; scientific, educational, and special publications; and extension services and other special projects that promote the conservation of Mississippi's wildlife resources and advance Mississippians knowledge of the natural sciences.

Unique Features: We feature a native plant garden.

(628)

Mississippi Sandhill Crane NWR

U.S. Fish and Wildlife Service
7200 Crane Lane
Gautier, MS 39553
(601) 497-6322
Contact: Joe Hardy, Refuge Manager
Operator: U.S. Fish & Wildlife/Dept. of Interior

Open to youth groups and the general public. Day programs. Open every day except Sunday. Hours: M-F 8-3; Sat. 9-5 Closed on major holidays. Annual budget $250-500,000. 7 Full-time staff. 18,500 Acres.

Mission: The MS Sandhill Crane is an endangered sandhill crane subspecies. The refuge provides protection for the bird and its habitat. Because of the sensitivity of the mission, public access to the refuge is limited to the visitor center and wildlife trail. Those areas are designed to interpret the crane's use of the area.

Site and Program Features: The spring wildflowers on the wildlife trail are well worth viewing. Tours to view cranes are offered from Nov.-Feb., three times a week. Limit: five; advanced reservations required.

(629)

Mynelle Gardens - City of Jackson

4736 Clinton Blvd.
Jackson, MS 39209
(601) 960-1894
Director: Fran Leber
Operator: City of Jackson

Open to youth groups and the general public. Day programs. Open every day. Hours: March-Oct.: 9-6; Nov.-Feb.: 8-5. Annual budget $100-250,000. 7 Acres.

Mission: Our mission is to provide leisure, recreational, educational and cultural services for the enrichment of all human and natural resources for the citizens of Jackson and the visitors to the City of Jackson.

Site and Program Features: To date we have self-guided tours. The history of the gardens is given to the visitors before they proceed. Tours of 3- to 6-year-olds are preceded by an educational talk enhancing the school curriculum. We increase a grade level each year. Each year spring and fall we have landscape and garden classes for adults. Also available are video tapes on gardening, landscaping and flower designing, and art classes. Bimonthly there is an art or photography hanging; the Gardens has a gift shop selling miscellaneous crafts, and there is a house to tour.

Unique Features: Our site features a botanical garden. Each visit is a new experience as the gardens continually change with the seasons. All the favorites are here, along with the new, the rare, and the exotic. A tremendous variety of azalea, day lilies, annuals, and perennials abound in the midst of hundreds of camellias, and a collection of Asiatic magnolias. A gift shop offers crafts and items related to gardening. A wildlife sanctuary is a haven for birds.

(630)

Piney Woods Country Life School

Hwy. 49S
Piney Woods, MS 39148
(601) 845-2214
Director: Dr. Charles H. Beady
Contact: Maxine Beady, Dir. of Spec. Projects

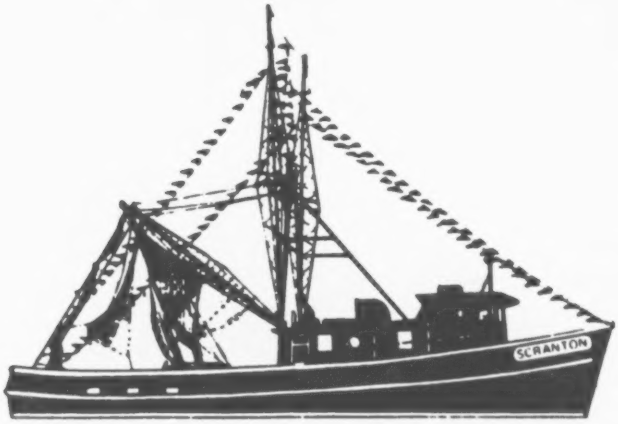
Open to youth groups and the general public. Conference facilities. Multi-day programs. Open every day. Seasonal changes in schedule. Annual budget more than $1,000,000. 20 Full-time staff. 2000 Acres. Lodging. Camping. Fees charged for facility use. Newsletter.

Mission: The purpose of Piney Woods Country Life School is to prepare young people to take their place as worthwhile citizens in today's world. Most of our students continue their education in institutions of higher learning. Those that do not are given tools, academic or vocational, to make their living. We are a 13-grade school with boarding facilities for the secondary students.

Site and Program Features: We occupy over 2,000 acres of heavily wooded, hilly terrain. We have three man-made lakes stocked with fish. We participate in the forestry program. We teach vocations as well as academic subjects. All of our students have to do some kind of work for self-discipline. An active large farm is part of our program. Many students do their work assignment there. Office skills are also taught, as well as industrial art, commercial art, printing, dry cleaning, cooking, etc.

Unique Features: We feature a full farm site: cattle, swine, barns, crop planting; and three stocked lakes.

A nature center without land or trails is hard to imagine! This shrimp boat, however, is well-equipped for learning. Photo courtesy of the Scranton Museum.



(631)

Scranton Museum

P.O. Drawer 908
Pascagoula, MS 39567
(601) 762-6017
Director: David Ruple
Operator: City of Pascagoula

Open to youth groups and the general public. Day programs. Open every day except Monday. Hours: T-Sat. 10-5; Sun. 1-5 Closed on major holidays. Annual budget $25-50,000. 1 Full-time staff. 10 Acres. Newsletter.

Mission: We are attempting to increase public awareness and understanding of the coastal environment, showing how our valuable natural resources relate to the cultural heritage of the area.

Site and Program Features: The Scranton Museum is a unique floating facility, housed within a 70-foot converted shrimp boat. The museum is moored in a rich coastal estuarine system. Guided tours and hands-on activities are provided to the general public and school groups. Special outreach programs are also offered.

(632)

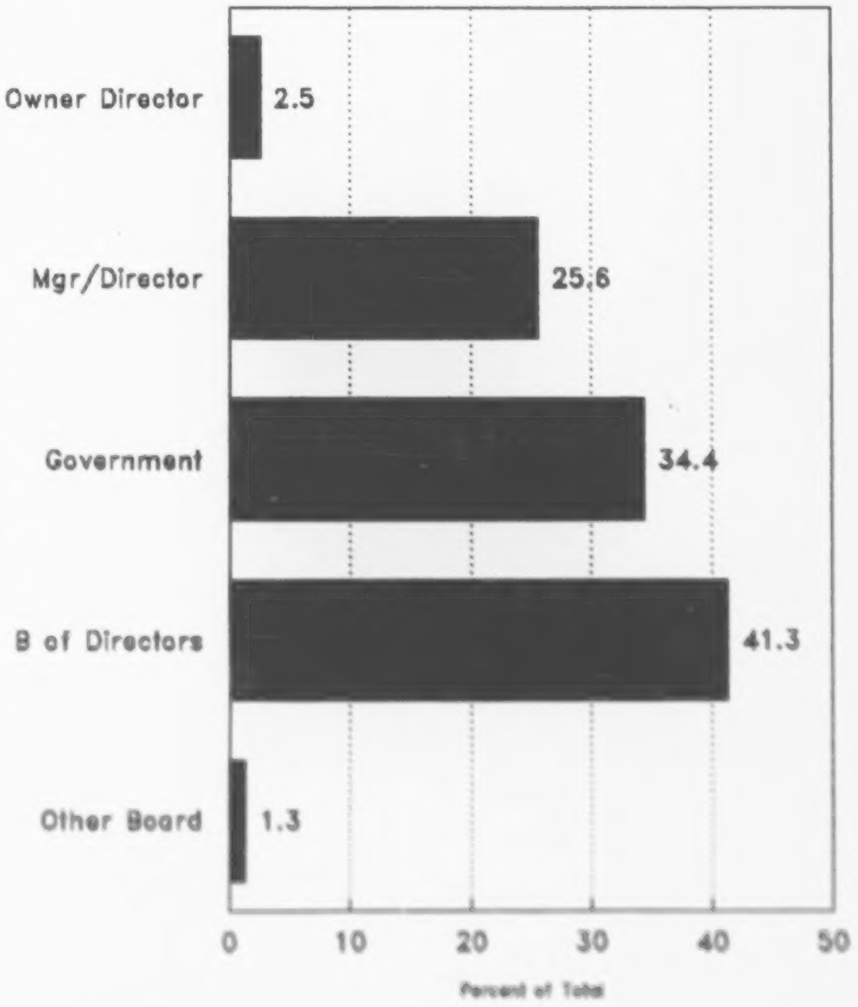
Winterville Mounds

Rt. 3, Box 600
Greenville, MS 38701
(601) 334-4684
Director: Calvin Robinson
Operator: Mississippi Dept. of Natural Resources

Open to youth groups and the general public. Conference facilities. Day programs. Open every day except Monday, Tuesday. Hours 8-5. Annual budget $100-250,000. 2 Full-time staff. 40 Acres. Fees charged for facility use.

Unique Features: Dominating the landscape are 12 mounds, the largest of them—the Great Temple Mounds—rising some 55'.

Type of Management



It took over a year for NSVT to gather research data on nature centers all across the country. Learn what we found out in the Foreword to this Directory.

(633)

Dr. Emund A. Babler Memorial St Park

Missouri Dept of Natural Resorces
River Hills Visitor Center
800 Guy Park Dr.
Chesterfield, MO 63005
(314) 458-3813

Director: David Bradford
Operator: State of Missouri

Open to youth groups and the general public. Conference facilities. Day and multi-day programs. Open every day. Hours: 9-5. Annual budget $250-500,000. 2 Full-time staff. 2400 Aces. Camping.

Mission: The River Hills Visitor Center operates as a Nature Interpretive Center and Park Headquarters. Dynamic exhibits and presentations are offered on the topics of forest habitat, wildlife, geology, ecology, and outdoor recreation. Special programs are available for school and youth groups.

Site and Program Features: Our mission is to preserve an outstanding example of the state's natural division of Missouri River Hills along a northern border of the Ozarks. Programs emphasize awareness, appreciation, and protection of forest resources, and outdoor recreation opportunities in Missouri State Parks.

(634)

Burr Oak Woods Nature Center

1401 Park Rd.
Blue Springs, MO 64015
(816) 228-3766

Contact: Donna Burris, Naturalist
Operator: Missouri Conservation Dept.

Open to youth groups and the general public. Conference facilities. Day programs. Open every day except Monday. Hours: 4/1-10/31: 8 am-8 pm 11/1-3/31: 8-5. Annual budget [illegible]. 2 Full-time staff. 1000 Acres. Newsletter.

Mission: Nature enhances the quality of people.

Site and Program Features: Burr OakWoods Nature Center provides to the public a variety of quality outdoorexperiences in a forest setting. Open fields and a prairie planting are also available. Programs and tours are available for all age groups.

(635)

Clarence Cannon National Wildlife Refuge

Box 88
Annada, MO 63330
(314) 847-2333

Director: N. Ross Adams
Contact: Sue Bolander, Asst. Refuge Manager
Operator: U.S. Fish & Wildlife Service

Open to youth groups and the general public. Day programs. Open every day except Saturday, Sunday. Hours: 7:30-4 Closed on major holidays. Annual budget $250-500,000. 2 Full-time staff. 3747 Acres.

Mission: (1) Providing migrating waterfowl with food, water and a resting area in the spring and fall. (2) Maintaining a improving habitat for nesting wood ducks. (3) Providing for the needs of other migratory birds and a balanced population of resident wildlife. (4) Providing the public with a place to understand the relationships between man, plants and wildlife.

Site and Program Features: Our site is a little over one hour from St. Louis, MO. Though it is a small refuge, it offers visitors a chance to see wetlands, green tree reservoirs, and natural ponds that host a great variety of wildlife. Over 100 species of birds visit the refuge each year. Our facilities are limited, but we are always willing to arrange tours, even during times when we are usually closed.

(636)

George Washington Carver National Monument

P.O. Box 38
Diamond, MO 64840
(417) 325-4151

Director: John Neal
Contact: Curt Deitz, Park Ranger
Operator: National Park Service

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: 8:30-5:00 Open until 6 pm during summer. 210 Acres. Newsletter.

Mission: To interpret the life of George Washington Carver. Educator, botanist, agronomist and more. George Washington Carver achieved greatness in spite of tremendous obstacles. The birthplace of the former slave, whose work had world-wide impact, is now a National Park. Special programs are available for school and youth groups.

Site and Program Features: Carver National Monument's 210 acres provide a variety of habitats for birds and other wildlife. Within the park, you will find prairie, woodland, and riparian as well as landscaped areas.

(637)

Cuivre River State Park and Visitor Center

Rt. 1, Box 25
Troy, MO 63379
(314) 528-7247

Director: Don Phifer
Contact: Bruce Schuette, Park Naturalist
Operator: Missouri Dept. of Natural Resources

Open to youth groups and the general public. Day programs. Open every day. Hours: 8-5 Seasonal changes in schedule. Closed on major holidays. Annual budget $25-50,000. 3 Full-time staff. 6270 Acres. Camping.

Mission: Interpret the unique resources of Cuivre River State Park and the Lincoln Hills Region to the public, to help them better understand, enjoy and protect the park and surroundings. We also hope that a better understanding and appreciation of park resources will carry over to a greater protection for all our natural resources.

Site and Program Features: A large state park that protects some large tracts of upland woodlands, and smaller samples of prairies, glades, streams and karst topography. The naturalist program helps interpret these resources to the public.

(638)

James Foundations

320 S. Bourbense
St. James, MO 65559
(314) 265-7124

Director: Ford Hughes
Contact: John Weber, Operations Officer

Open to youth groups and the general public. Day programs. Open every day. Hours: 12-5 Seasonal changes in schedule. Annual budget more than $1,000,000. 4 Full-time staff. 1800 Acres. Fees charged for facility use. Newsletter.

(639)

Lakeside Nature Center

5600 E. Gregory - Swope Park
Kansas City, MO 64132
(816) 444-4656

Director: Tammie Tritico
Operator: Kansas City, Missouri, Parks, Rec. Dept.

Open to youth groups and the general public. Day programs. Open every day except Monday, Sunday. Hours: 9-5 Seasonal changes in schedule. Closed on major holidays. Annual budget $100-250,000. 3 Full-time staff. Newsletter.

Mission: To motivate the citizens of Kansas City to make knowledgable decisions in regard to our environment by creating a biophysical awareness of our environment through interdisciplinary attitudes as expressed through our program purposes.

Site and Program Features: Environmental education and wildlife rehabilitation.

(640)

Meramec State Park

Rt. 4, Box 4
Sullivan, MO 63080
(314) 468-8155

Director: J. D. Muschany
Contact: Dan Drees, Naturalist
Operator: Missouri Dept. of Natural Resources

Open to youth groups and the general public. Conference facilities. Day and multi-day programs. Open every day. Hours: 7 am - 10 pm. 5 Full-time staff. 6788 Acres. Lodging. Camping.

Mission: Our mission is to preserve and interpret the finest river resource in Missouri's state park system. In addition, we are stewards of other significant natural, cultural and recreational resources which we manage for the enjoyment and understanding of all who visit.

Site and Program Features: The staff and interpretive facilities at Meramec State Park specialize in exciting visitors to the wonders of the park's tremendous river and cave resources. Several miles of picturesque riverbank scenery are preserved in this 6,788-acre park, providing a haven for river education and recreation. Hidden within the park's vast expanse of forest are several springs and 34 caves.

(641)

Mingo National Wildlife Refuge

Rt. 1, Box 103
Puxico, MO 63960
(314) 222-3589

Director: Gerald Clawson
Contact: Steven Lenz, Refuge Manager
Operator: U.S. Fish & Wildlife Service

Open to youth groups and the general public. Conference facilities. Open every day. Hours: M-F 8-4, 3/15-11/30, Sat.-Sun. 9-4 Seasonal changes in schedule. Closed on major holidays. 11 Full-time staff. 21,676 Acres. Fees charged for facility use.

Mission: The mission of the visitor center is to provide information on what the national wildlife refuge is and in particular what Mingo is. This is done through exhibits, displays, and slide shows plus an opportunity to experience a swamp environment through nature trails and pamphlets.

Site and Program Features: Mingo National Wildlife Refuge is a last remnant of a bottomland hardwood swamp in Missouri. The swamp habitat reflects abundant diversity in flora and fauna.

Unique Features: Mostly bottomland hardwood swamp with surrounding limestone bluffs.

(642)

Missouri Department of Conservation

2751 Glencoe Rd.
Glencoe, MO 63038
(314) 458-2236
Director: Cathy de Jong
Contact: Jerry Presley, Dept. Director
Operator: Missouri Dept. of Conservation

Open to youth groups and the general public. Day programs. Open every day except Monday. Hours: 9-5 Annual budget $25-50,000. 6 Full-time staff. 1900 Acres. Camping.

Mission: Our mission is to instill a sound conservation ethic and show man and his relationship to the forest and wildlife resources of Missouri. To demonstrate good conservation practices so landowners and others can then recognize and practice those.

Site and Program Features: Rockwoods Reservation is a state forest and wildlife refuge in western St. Louis County. Rockwoods has a rich diversity of plant and animal life as well as springs, caves and rock formations. Programs for schools, scouts and the general public are given by the reservation.

(643)

Onondaga Cave State Park

Leasburg, MO 65536
(314) 245-6417
Director: Keith Peterson
Contact: Eugene Vale, Park Naturalist
Operator: Missouri Dept. of Natural Resources

Open to youth groups and the general public. Day and multi-day programs. Open every day. Hours: 9-6 Seasonal changes in schedule. Closed Nov. 1 through Feb. 29. 4 Full-time staff. 1300 Acres. Camping.

Mission: To preserve and interpret for the public the significant natural and cultural features of Onondaga Cave State Park, particularly Onondaga Cave and Cathedral Cave. Also, to provide safe recreational opportunities for the public.

Site and Program Features: Onondaga Cave State Park is the cave park of the cave state. The caves are used to illustrate the interconnectedness of nature, geologic processes, hydrology and ground water pollution problems, biological adaptations and food webs, and the roles caves have played in the human culture.

Unique Features: Onondaga Cave is a National Natural Landmark which contains a wide variety of subterranean features including large calcite deposits (flowstones, stalactites, stalagmites, and columns), plus smaller and more delicate features (cave pearls, helictites). The lily pad room is probably the most famous.

(644)

George Owens Nature Park

1601 S. Speck Rd.
Independence, MO 64057
(816) 257-4654
Director: Bill Brewster
Contact: Dwayne Johnson, Park Supervisor
Operator: City of Independence

Open to youth groups and the general public. Conference facilities. Day programs. 1 Full-time staff. 85 Acres.

Mission: Our mission is to provide highest quality natural science and educational programs to the community, and to preserve our land and wildlife in a natural state.

Site and Program Features: We hold the largest and highest quality natural areas of forest, prairie (restored tallgrass), and wetland in the region. Ours is the largest natural science center and program in the region.

(645)

U.S. Army, Corps of Engineers Pomme de Terre Lake

Rt. #1
Hermitage, MO 65668
(417) 745-6411 FAX: (414) 745-2101
Director: James J. Davis

Open to youth groups and the general public. Day programs. Open every day. Hours: 8-4:30. Closed Sat & Sun. 12/1 - 3/15 Closed on major holidays. Annual budget $25-50,000. 18250 Acres. Camping.

Mission: To provide an introduction to the lake area, to some information about area wildlife and fish, about area history and about the Corps of Engineers. To provide environmental education to elementary school students or other interested individuals or groups.

Site and Program Features: The office/visitor center is located in an exceptionally scenic area: Ozark hills, clear lake with scenic river below the dam and bluffs. A strength of our program is that we will try to tailor programs to specific requests.

(646)

Powder Valley Nature Center

MO Dept. of Conservation
Box 180
Jefferson City, MO 65102
Contact: Don Kurz, Asst. Natural Hist. Adm.

> Open every day. Hours: 4/1-10/31: 8 am- 8 pm 11/1-3/31: 8-5. Annual budget $100-250,000. 4 Full-time staff. 112 Acres.

Mission: Our mission is to impress upon visitors the fact that nature and conservation play important roles in a major urban area (St. Louis) as well as in rural areas and are therefore relevant to all urban dwellers.

Site and Program Features: Our site features an old-growth forest with an Ozark landscape.

(647)

Powell Gardens

Rt. 1, Box 90
Kingsville, MO 64061
(816) 566-2213
Director: Eric Tschanz
Contact: Connie Harrison, Coordinator, Outdoor Ed.
Operator: Powell Family Foundation

> Open to youth groups and the general public. Conference facilities. Day programs. Open every day except Monday. Hours: T-F 8-5, Sat-Sun 9-6. Annual budget more than $1,000,000. 3 Full-time staff. 800 Acres. Newsletter.

Mission: We are involved with testing and evaluating ornamental and edible horticultural plants, as well as being an official trial garden for the All-America Vegetable selections. New techniques are tried and evaluated. Classes in horticulture and outdoor education are offered year-round and are available to youth and adult groups.

Site and Program Features: We offer 75 different outdoor education topics on-site and travel to schools for program presentations. Programs are planned to include workshops for parents which coincide with activities offered for children in the same time slot. Family programs are a specialty and youth groups are always welcome.

Unique Features: Beautiful botanical site with formal and informal plantings, open year round—horticulturists and natural resources persons are on staff to guide and offer information to visitors. On nature trails, much active beaver activity is accessible to public viewing.

(648)

Prairie State Park/Dept. of Natural Resources

PO Box 97
Liberal, MO 64762
(417) 843-6711
Contact: Lorence W. Larson, Naturalist

> Open to youth groups and the general public. Day programs. Open every day. Hours: 9-7 Memorial Day-Labor Day Winter: 9-5. Annual budget $25-50,000. 2 Full-time staff. 2558 Acres. Camping.

Mission: Our mission is to interpret Missouri's tallgrass prairie to Missourians and all other visitors. We open the door to the prairie resources of the park so that the visitor may be better able to understand all the inter-relationships of this complete unique ecosystem.

Site and Program Features: The 2,558 acres of the park open panoramically from the visitor center, and it becomes very easy to lose oneself both in the natural and cultural resources of the prairie. Our program tries to tie the culture of the prairie to the ecology of the ecosystem to help the visitor understand why the prairie is unique and vanishing so rapidly.

(649)

Purina Farms

Rt. 2, Box 421
Gray Summit, MO 63039
(314) 982-3232
Director: Brock Fitzgerald
Contact: Bettie Dorcy, Manager, Visitor Programs
Operator: Ralston Purina Co.

> Open to youth groups and the general public. Conference facilities. Day programs. Open every day except Monday. Hours: 9:30-4:30 Closed Dec.-Feb. Annual budget $500,000-1,000,000. 9 Full-time staff. 1500 Acres.

Mission: The purpose of Purina Farms is to emphasize the unique bond that exists between people and domesticated animals—a bond that has provided mutual benefits for both man and domesticated animals since the beginning of history—a bond that is as important today as it was 100,000 years ago.

Site and Program Features: Exploring the special role animals play in our lives. An enjoyable and educational family experience featuring live domestic animals, educational graphic displays, hands-on activities and ongoing animal demonstrations. Just 40 minutes west of St. Louis, MO. Free admission. Reservations required.

(650)

Raptor Rehabilitation & Propagation Project Tyson

Research Center, Box 193
Eureka, MO 63025
(314) 938-6193
Director: Walter C. Crawford

Open to youth groups and the general public. Day programs. Open every day. Hours: 10-4; Research Center by appointment. Annual budget $250-500,000. 16 Full-time staff. 3605 Acres. Newsletter.

Mission: RRPP is dedicated to the preservation of the world's wildlife with special emphasis on birds of prey and parrots. Using rehabilitation, captive breeding, scientific study and education, we hope to reverse some of the abuse humans have inflicted on these creatures and their environment.

Site and Program Features: Our unique combination of facilities that provides access to a large collection of raptor and psittacine species. A dedicated staff provides an excellent opportunity to learn and experience first-hand the interaction of humans and wildlife.

Unique Features: Operating three centers in St. Louis: Tyson Research Center - 2,100 acres; Lone Elk Park - 405 acres; Winter Brother Research Station - 1,100 acres.

(651)

Shaw Arboretum

P.O. Box 38
Gray Summit, MO 63039
(314) 742-3512
Director: John W. Behrer
Operator: Missouri Botanical Garden

Open to youth groups and the general public. Conference facilities. Day and multi-day programs. Open every day. Hours: 7:00 am - 1/2 hours past sunset. Season changes in schedule. Annual budget $100-250,000. 7 Full-time staff. Fees charged for facility use.

Mission: The purpose of the arboretum is to provide an area to expose children and adults to the natural ecosystems of Missouri and to educate them about the importance of plants and animals to their lives.

Site and Program Features: Special features include a prairie restoration project, well-maintained trail system (12 miles), five distinct plant communities, 2,400 acres, abundant wildlife, creative education programs and the backing of Missouri Botanical Garden.

Unique Features: Unique features include a prairie restoration project of 78 acres and dolomite glade areas.

(652)

Shepherd of the Hills Trout Hatchery

P.O. Box 427, Hwy. 165
Branson, MO 65616
(417) 334-4865
Contact: April Dozier, Naturalist
Operator: Missouri Dept. of Conservation

Open to youth groups and the general public. Day programs. Open every day. Hours: 9-5 Open April-Oct.; by appt. rest of year. Annual budget $25-50,000. 2 Full-time staff. 275 Acres.

Mission: The visitor center acts as the public communication center for the hatchery. It is a focal point where visitors can orient themselves to the hatchery facility and the adjacent wildlife area, and find out what interpretive activities are available to them during their visit.

Site and Program Features: The trout hatchery is the special feature of our site where 400,000 trout are raised each year for Missouri fishermen to catch. The visitor center features a 10-minute slide presentation on the hatchery operation. Guided tours are given throughout the day. There is a 3,500 gallon aquarium for visitors to view trout "eye to eye." Exhibits show trout rearing and conservation department programs.

Unique Features: The hatchery is located at the base of a large hydro-electric dam.

(653)

Springfield Nature Center

Missouri Dept. of Conservation
4600 S. Chrisman
Springfield, MO 65804
(417) 882-4237
Director: David T. Catlin
Operator: Missouri Dept. of Conservation

Open to youth groups and the general public. Day programs. Open every day except Monday. Hours: 8-6. Seasonal changes in schedule. Annual budget $100-250,000. 3 Full-time staff. 80 Acres. Newsletter.

Mission: We serve as a sort of "back 40" for a rapidly growing mid-size city, providing three-dimensional, first-hand recreational and learning experiences in nature. Our major educational thrust, dictated by our agency's mission statement, is to increase awareness of and stewardship of Missouri's fish, forestry, and wildlife resources.

Site and Program Features: The most notable features of our center, opened in October 1988, are its diversity of natural communities and the completeness of its educational resources: a 16,000-square-foot building housing an auditorium, multipurpose room, and elaborate exhibits, along with three miles of trails.

Unique Features: Frontage on 1,000 acre Lake Springfield.

MC

(654)

St. Louis Science Center

Ed. Dept.
5050 Oakland Avenue
St. Louis, MO 63110
(314) 289-4409
Director: David Wilson

Day programs. Open every day. Hours: 9:30-5:00; Open till 8:00 in summer. Annual budget more than $1,000,000. Newsletter.

Mission: The primary mission of the St. Louis Science Center is to provide exhibits and other educational activities that will help people to understand basic principles of science, become aware of current scientific and technological developments, and thus be better prepared to make intelligent choices that will shape their future. The subject matter of its programs includes Ecology and the Environment; People; Physically and Culturally; Technology; and the Space Sciences.

Site and Program Features: Located in Forest Park, the St. Louis Science Center features a wide range of science programs directed primarily toward a family audience. The Science Center features a children's Discovery Room and Sciencing Lab, where people can use equipment available to conduct scientific experiments, science stage shows, a planetarium using state-of-the-art Digistar equipment, and a changing exhibit gallery. A new, expanded facility is under construction.

(655)

Swan Lake National Wildlife Refuge

RR 1, Box 29A
Sumner, MO 64681
(816) 856-3323
Director: Ken Grannemann
Contact: George W. Peyton, Asst. Refuge Manager

Open to the general public. Day programs. Open every day except Saturday, Sunday. Hours: 8-4:30 Closed on major holidays. Annual budget $250-500,000. 4 Full-time staff.

Mission: Swan Lake NWR was established to provide a resting and feeding area for waterfowl.

Site and Program Features: From October through March, large populations of waterfowl can be seen on the refuge. When the interior refuge roads are open to visitors, large numbers of deer can be observed plus numerous other wildlife.

(656)

Martha Lafite Thompson Nature Sanctuary

407 N. Lafrenz Rd.
Liberty, MO 64068
(816) 781-8598
Director: Patrice J. Dunn

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: Tues-Sat 9-5; Sun 1-5 Apr-Sept. Nature Center open til 6 pm. Annual budget $100-250,000. 3 Full-time staff. 100 Acres. Newsletter.

Mission: The Martha Lafite Thompson Nature Sanctuary is a private, non-profit organization dedicated to providing habitat for the native wildlife of the area and natural history education to organized groups, as well as the general public.

Site and Program Features: The Nature Sanctuary has a wide variety of natural habitats represented within its 100 acres. They include hardwood forest, old-field succession, open meadow, limestone glen, marsh, pond, creek and restored prairie. A system of trails provides access to all areas. A Nature Center provides orientation to the site through exhibits. The staff provides a wide variety of natural history programs.

(657)

Thousand Hills State Park

Rt. 3
Kirksville, MO 63501
(816) 665-6995
Director: Brent Steacy
Contact: Maureen McHale, Naturalist
Operator: Missouri Dept. of Natural Resources

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: Apr.-Oct.: 7am-10pm Nov.-Mar.: 7 am-sunset. 4 Full-time staff. 3210 Acres. Lodging. Camping.

Mission: As a Missouri State Park, we preserve and interpret examples of Missouri's natural scenery and a historic landmark to boost public awareness and appreciation of our natural heritage in state parks.

Site and Program Features: Thousand Hills State Park includes a second-growth oak-hickory forest surrounding a 573-acre lake. Small prairie remnants and an Indian petroglyph site are interpreted as reminders of Missouri's heritage. During the camping season, pontoon boat tours offer visitors a unique opportunity for wildlife observation.

Unique Features: Forest Lake is a 573-acre man-made lake; rugged and gentle rolling hills; second-growth oak-hickory forest; prairie remnants, small native grass management areas; and a grove of big tooth aspen (rare in Missouri).

(658)

Tri-State Mineral Museum

Schifferdecker Park
Joplin, MO 64801
(417) 623-2341
Contact: Everett J. Ritchie, Chairman
Operator: City of Joplin

Open to youth groups and the general public. Day programs. Open every day. Hours: M-Sat 9-5; Sun 1-4 Seasonal changes in schedule. Closed on major holidays. 2 Part-time staff. Annual budget $25-50,000. 20 Acres. Newsletter.

Mission: We emphasize the unique nature of the mineral deposits and mining methods of this region, and the important role that minerals and the study of crystals have played in the development of alloys, plastics, cements, electronic devices, and most phases of life including microbiology.

Site and Program Features: The museum presents the minerals, machines, and artifacts of one of the greatest lead and zinc mining fields in the world.

(659)

Mark Twain Lake Management Office

U.S. Army Corps of Engineers
Rt. 2, Box 20A
Monroe City, MO 63456
(314) 735-4097
Director: Denny Foss
Contact: Maureen Murrin, Park Ranger

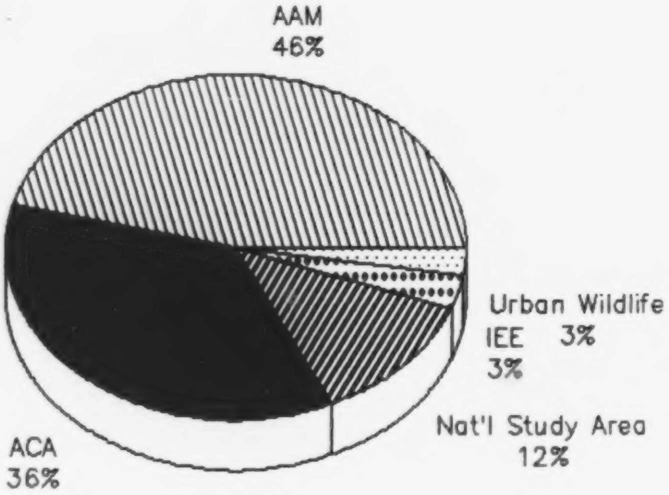
Open every day. Hours: 10-5 Seasonal changes in schedule. Annual budget $50-100,000. 2 Full-time staff.

Mission: The M.W. Boudreaux Visitor Center is designed to introduce visitors to Clarence Cannon Dam and Mark Twain Lake. Through a series of exhibits visitors learn about the multiple purposes of the lake project, the cultural and natural history of the region, hydroelectric power generation, safe recreational use of the project area, and about the U.S. Army Corps of Engineers. Visitor exhibits are currently being designed for the hydroelectric power plant at the dam. The exhibits will help visitors learn more about hydropower generation as well as other aspects of energy use, energy conservation, and alternative energy sources.

Unique Features: The facility being described is the visitor center for a large reservoir: Clarence Cannon Dam and Mark Twain Lake. The center features a large wooden deck, providing scenic overlooks of the lake. The center is called the M. W. Boudreaux Memorial Visitor Center.

Learning to draw from nature is easier if the squirrels and birds stay put! Photo courtesy of the Academy of Natural Sciences of Philadelphia by Paul Axler.

Accreditation / Recognition



Recognition of a nature center often boosts community acceptance and support. See the Foreword for more nature center statistics.

(660)

Benton Lake National Wildlife Refuge

P.O. Box 450
Black Eagle, MT 59414
(406) 727-7400

Contact: Stephen J. Martin, Refuge Manager
Operator: U.S. Fish & Wildlife Service

Open to youth groups and the general public. Day programs. Open every day. Hours: Office: 8-4:30 Refuge closed 11/1 to 3/31. Annual budget $250-500,000. 4 Full-time staff. 12,383 Acres. Fees charged for facility use.

Mission: Visitors are welcome at Benton Lake throughout the year. Local schools use the refuge as a base for environmental education activities such as plant, bird and insect studies. Visitors may enjoy observing or photographing wildlife along the tour route from March through November. There are no facilities on the refuge for picnicking or camping.

Site and Program Features: An oasis in a dry land, Benton Lake National Wildlife Refuge is a large prairie marsh nestled among the expanse of grasslands and wheat fields in north central Montana. Waterfowl and other migratory birds flock into the refuge to find rest, food and protection. In the spring, many species remain to nest and raise their young on this 12,383-acre refuge. Benton Lake, a world of marsh and native short prairie, is one of the most productive waterfowl refuges in the United States.

(661)

Big Creek Outdoor Education Center

6500 North Fork Rd.
Columbia Falls, MT 59912
(406) 755-6078 Ext. 333

Director: Susie Bouton
Operator: Glacier Institute

Open to youth groups and the general public. Conference facilities. Multi-day programs. Open every day. Annual budget $10-25,000. 1 Full-time staff. 5 Acres. Lodging. Fees charged for facility use.

Mission: To provide high quality outdoor environmental education programs to participants dealing with the northern Rocky Mountain ecosystem. Develop a holistic understanding of the environment and issues so that participants can make clear and responsible decisions concerning environmental issues.

Site and Program Features: We are located on the western edge of Glacier National Park and in the Flathead National Forest. We share the area with the bald eagle, wolf, and grizzly bear. With our cooperators, the National Park Service, the National Forest Service, Flathead Valley Community College and the Glacier Natural History Association, we have built up a rich pool of resource people to allow us to provide for first-hand learning experiences.

Unique Features: The Northfork of the Flathead River, which is designated a Wild and Scenic River, is within 200 yards of our facilities. Glacier National Park is within 500 yards of the facilities. We are isolated and a generator supplies our power.

(662)

Chief Plenty Coups Museum

P.O. Box 100
Pryor, MT 59066
(406) 252-1289

Director: Harley Sorrells
Operator: State of Montana

Open to youth groups and the general public. Day programs. Open every day except Wednesday, Thursday. Seasonal changes in schedule. Annual budget $25-50,000. 1 Full-time staff. 195 Acres. Fees charged for facility use.

Mission: To promote and interpret the history and culture of the Crow Tribe of Indians.

Site and Program Features: The Chief Plenty Coups State Park is a 195-acre recreation area offering multiple day use activities: Chief Plenty Coups Museum and visitor center, historic log buildings, natural areas, picnic areas, trout fishing and hiking.

Discovery rooms can be full of things to see, smell, examine and do. Photo courtesy of the Academy of Natural Sciences of Philadelphia.

(663)

Fort Benton Visitor Center

Upper Missouri Wild & Scenic River
Airport Rd.
Lewistown, MT 59457
(406) 538-7461
Director: Chuck Otto, Area Mgr
Contact: Chan Biggs, Outdoor Rec. Planner
Operator: USDI Bureau of Land Management

Open to youth groups and the general public. Day and multi-day programs. Open every day. Hours: 8-6 Seasonal changes in schedule. Annual budget $50-100,000. 1 Full-time staff. 132,000 Acres.

Mission: In order of their priority: (1) Visitor safety (proper outfitting, knowledge of hazards, etc.); (2) resource protection (many of the river's resources are nationally significant, unique, fragile and non-renewable); and (3) enhancement of the visitor's experience (through interpretive guides, displays, etc.

Site and Program Features: In addition to being a National Wild and Scenic River, the Upper Missouri is a premier component of the Lewis and Clark National Historic Trail. A person can read the journals and experience the scenes and setting as Lewis and Clark did. The river corridor also contains a significant segment of the Nez Perce National Historic Trail. A living museum of natural history, the history includes fur trade, steamboats, white/Indian relations, early military and homesteading. Away from the Fort Benton Visitor Center, all activities are self-guided and keyed to a "Floater's Guide."

Unique Features: 149 miles of Wild & Scenic River, the valley of which varies from pre-glacial (broad and mature) to the scenic white cliffs and barren badlands of the Lewis & Clark National Historic Trail. Pristine scenery in a near-primitive setting, with abundant and varied wildlife and a colorful and long history.

(664)

Glacier Institute - Glacier Park

Box 1457
Kalispell, MT 59903
(406) 752-5222
Director: Lex Blood
Contact: Ursula Mattson, Summer Program Coordin.

Open to the general public. Multi-day programs. Open every day. Open 6/15-9/15 Annual budget $25-50,000. 1 Full-time staff. 1,000,000 Acres. Lodging.

Mission: The Glacier Institute, established in 1983, in its Summer Program in Glacier National Park, provides field-level classes within this unique ecosystem. The Intstitute examines Glacier's cultural and natural resources while increasing public awareness of management policies, resource issues, and research efforts. The Institute also contributes to the public's appreciation of Glacier's aesthetic qualities through the creative arts.

Site and Program Features: All classes are taught on-site in Glacier National Park with an emphasis on outdoor learning. Our instructors are professionals with a special feeling for the park that they will share with you. You can expand your interests in natural sciences, art, photography, history, or education.

Unique Features: The entire Glacier National Park and surrounding area are our classroom.

A nature center is often full of neat things to see and do. Photo courtesy of the University of Nebraska at Lincoln State Museum.

(665)

Medicine Lake National Wildlife Refuge

HC 51, Box 2
Medicine Lake, MT 59247
(406) 789-2305
Director: James E. McCollum
Contact: Joan Quarne, Refuge Assistant
Operator: U.S. Fish & Wildlife Service

Open to youth groups and the general public. Day programs. Open every day. Hours: Sunrise to sunset. Seasonal changes in schedule. Annual budget $250-500,000. 2 Full-time staff. 31,457 Acres.

Mission: Medicine Lake National Wildlife Refuge was established as a breeding area for ducks, geese and other migratory birds. It provides habitat for resident wildlife; maintains a diversity of upland and wetland habitats; provides on-refuge educational opportunities; and provides limited hunting and fishing opportunities.

Site and Program Features: The refuge offers good opportunity for observing wildlife in the Montana portion of the Prairie Pothole Region. Although staff available for programs is minimal, programs can be arranged with advance notice. Spring and early summer are the best times to visit. Visits in winter are not recommended.

Unique Features: Medicine Lake lies in a preglacial channel of the Missouri River. Islands in the lake are used by colonies of nesting white pelicans, ringbill gulls, cormorants and other species.

(666)

Agate Fossil Beds National Monument

HC 79, Box 9
Harrison, NE 69346
(308) 668-2211

Director: Jo Ann Kyral
Contact: John B. Rapier III, Unit Manager

Open to youth groups and the general public. Day programs. Open every day. Hours: 8:30-5:30 Winter: Sat.-Sun 8-5 only. Annual budget $100-250,000. 3 Full-time staff. 2700 Acres.

Mission: Our mission is to provide visitors with a basic understanding of the various adaptations to prairie life from the present fauna and flora through the early ranching history and the Native American Plains culture back to the 19-million-year-old fossil deposits of Miocene mammals.

Site and Program Features: Agate Fossil Beds National Monument is a 2,700-acre protected prairie with an informational center containing Miocene mammal fossils and Native American cultural artifacts. Two self-guiding nature trails lead visitors through the prairie landscape to the Miocene fossil deposits. Orientation programs and guided walks are available for school and youth groups.

Unique Features: World-class Miocene mammal remains are preserved for 19 million years in pond sediments. Species represented include rhino, camel, canine, equine and small carnivors. Fossils are visible along two self-guided trails.

(667)

Ak-Sar-Ben Aquarium

21502 W. Hwy. 31
Gretna, NE 68028
(402) 332-3901

Director: Darrell E. Feit
Operator: State of Nebraska - Game & Parks Comm.

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: M-F 10-4:30; Sat-Sun 10-6; Seasonal changes in schedule. Closed on major holidays. Annual budget $100-250,000. 1 Full-time staff. 331 Acres. Fees charged for facility use.

Mission: To educate the youth about the world around us with emphasis on the aquatic environment.

Site and Program Features: Schramm Park and the Ak-Sar-Ben Aquarium offer a setting of 331 acres that goes from waters edge to the hardwood forest. The aquarium displays more than 50 species of freshwater fish. The site is a historic fish hatchery.

(668)

Chet Ager Nature Center

2740 A St.
Lincoln, NE 68502
(402) 471-7895

Director: Don Smith
Contact: Carol S. Crosby, Coordinator of Ed & Intrp
Operator: Lincoln Parks & Recreation Dept.

Open to youth groups and the general public. Day programs. Open every day. Hours: 8:30 am-8:30 pm Sept.-May 8:30-5:00; Closed on major holidays. Annual budget $100-250,000. 1 Full-time staff. 56 Acres. Newsletter.

(669)

Crescent Lake NWR

HC 68, Box 21
Ellsworth, NE 69340
(308) 762-4893

Contact: Royce Huber, Refuge Manager

Open to youth groups and the general public. Conference facilities. Day programs. Open every day except Saturday, Sunday. Hours: 7:30-4 Annual budget $250-500,000. 2 Full-time staff. 46,000 Acres.

Mission: Our mission is to conserve, protect and enhance fish and wildlife and their habitats for the continuing benefit of the American people.

Site and Program Features: Crescent Lake National Wildlife Refuge was established in 1931 as a waterfowl production and maintenance refuge.

(670)

Encounter Center, University of Nebraska State Museum

212 Morrill Hall
Lincoln, NE 68588-0338
(402) 472-6302

Director: Dr. Hugh H. Genoways
Contact: Peggy Engelmann, Coordinator

Open to youth groups and the general public. Conference facilities. Day programs. Open every day except Monday. Hours: T-F, 2:30-4:30; Sat & Sun, 2-4 Summer: M-F 10:30-12:00; 1:30-4:30. Sat. and Sun. 1:30-4:30. 1 Full-time staff. Newsletter.

Mission: To provide a significant alternative environment for self-education and to be a useful educational resource center for students and teachers. The Encounter Center complements the exhibits at Morrill Hall and provides an opportunity for visitors to have a first-hand experience with specimens usually viewed behind glass.

Site and Program Features: The Encounter Center is a special room in the University of Nebraska State Museum where people can interact with natural history objects. Children and adults can examine specimens such as rocks, bones, shells, skunks, snakes, tiger, or bear; dig for fossils in the sandbox; and handle live animals.

Unique Features: We are a natural history museum located in the center of the University of Nebraska, Lincoln. We are world-famous for fossil mammal collection.

(671)

Folsom Children's Zoo & Botanical Gardens

2800 "A" Street
Lincoln, NE 68502
(402) 475-6741
Director: John P. Chapo
Contact: Dave Brightbill, Education Curator

Open to youth groups and the general public. Day programs. Open every day. Hours: M-S 10-5; Sun 10-6 Closed October-April. Annual budget $250-500,000. 12 Full-time staff. 8 Acres. Fees charged for facility use. Newsletter.

Mission: The purpose is to promote the conservation of animal and plant life through education focusing on the diversity and interrelatedness of all living things. This is achieved through direct involvement of the visitors in order to provide an understanding and appreciation for the interaction among all aspects of the natural environment.

Site and Program Features: The Folsom Children's Zoo and Botanical Gardens features exhibits of animals and plants representative of habitats found worldwide. The education program offers summer classes, along with regular presentations and a hands-on area for visitors.

(672)

Fontenelle Forest Nature Center

1111 Bellevue Blvd. N.
Bellevue, NE 68005
(402) 731-3140

Operator: Fontenelle Forest Association

Open to youth groups and the general public. Day programs. Open every day. Hours: 4/1-10/31, 8-6; 11/1-3/31, 8-5. Annual budget $250-500,000. 10 Full-time staff. 1300 Acres. Newsletter.

Mission: To provide the highest quality natural science and educational programs to the community, and to preserve our land and wildlife in a natural state.

Site and Program Features: We hold the largest and highest quality natural areas of forest, prairie (restored tallgrass), and wetland in the region. Ours is the largest natural science center and program in the region.

(673)

Fort Niobrara National Wildlife Refuge

HC 14 Box 67
Valentine, NE 69201
(402) 376-3789
Director: Robert M. Ellis
Contact: Mark Lindrall, Asst. Refuge Manager
Operator: U.S. Fish & Wildlife Service

Open to youth groups and the general public. Day programs. Open every day. Hours: 8-4:30 Closed weekends in winter. Closed on major holidays. Annual budget $250-500,000. 4 Full-time staff. 20,000 Acres.

Site and Program Features: Fort Niobrara National Wildlife Refuge is located 4 miles east of Valentine, Nebraska, off Highway 12. Buffalo, elk, deer, Texas longhorns, and prairie dogs can be seen along the wildlife drive at all times of the year.

(674)

Hastings Museum

1330 N. Burlington
Hastings, NE 68901
(402) 461-2399
Director: Ed Bisaillon
Contact: Joan Janzen, Education Coordinator
Operator: City of Hastings

Open to youth groups and the general public. Day programs. Open every day. Hours: M-Sat. 9-5; Sun. 1-5. Annual budget $250-500,000. 10 Full-time staff. Fees charged for facility use. Newsletter.

Mission: Our mission is to increase public knowledge of the history and natural science of North America, especially of the Great Plains region, through exhibits and special programs.

Site and Program Features: The Hastings Museum is located in a city park conveniently located on Hwy. 281. The museum features outstanding exhibits of Great Plains natural history and the history of People on the plains, the J. M. McDonald Planetarium and a discovery center. Daily planetarium programs are offered, as well as special programs by reservation for schools and other groups.

Unique Features: A museum/planetarium is located in the city park.

(675)

Neale Woods Nature Center

14323 Edith Marie Ave.
Omaha, NE 68112
(402) 731-3140
Director: Eric Veldon
Operator: Fontenelle Forest Association

Open to youth groups and the generl public. Open every day. Hours: 4/1-10/31, 8-6; 11/1-3/31, 8-5 Annual budget $250-500,000. 10 Full-time staff. 1300 Acres.

Mission: To provide the highest quality natural science and educational programs to the community, and to preserve our land and wildlife in a natural state.

Site and Program Features: We hold the largest and highest quality natural areas of forest, prairie (restored tallgrass), and wetland in the region. Ours is the largest natural science center and program in the region.

(676)

Platte River State Park

Nebraska Game & Parks Commission
RR 1, Box 161A
Louisville, NE 68037
(402) 234-2217
Director: Rex Amack
Contact: Roger Sykes, Superintendent

Open to youth groups and the general public. Conference facilities. Day and multi-day programs. Open every day. Hours: 8-8. Annual budget $100-250,000. 5 Full-time staff. Lodging. Fees charged for facility use.

(677)

Prairie/Plains Resource Institute

1307 L St.
Aurora, NE 68818
(402) 694-5535
Director: Bill Whitney

Open to youth groups. Day programs. Open every day. Annual budget less than $10,000. 15 Acres. Newsletter.

Mission: Our goals are to present a model of creek land restoration with biological diversity and rural community development. It will be an educational center for prairie natural history, ecology and natural resources. (Currently, our work area is approximately 15 acres.)

Site and Program Features: In a few years, we hope to have the Lincoln Creek Nature Center building on at least a 40-50-acre site–possibly 150-200 acres. It will be part of a greenway development called the Lincoln Creek Parkway. It will feature large areas of restored prairie, ponds, a creek, and woods next to Aurora, NE. A 300-capacity overnight conference center, the Nebraska Youth Leadership Development Center, is adjacent.

(678)

Scotts Bluff National Monument

Box 427
Gering, NE 69341-0427
(308) 436-4340
Director: JoAnn M. Kyral
Contact: Robert W. Mansek, Park Ranger

Open to youth groups and the general public. Day programs. Open every day. Hours: 8-6 Winter: 8-5 Closed on major holidays. Annual budget $250-500,000. 2 Full-time staff. 3000 Acres. Fees charged for facility use.

Mission: Our mission is to develop an understanding in the park visitor of the importance of Mitchell Pass and Scotts Bluff to the travellers of the Oregon trail, and to instill in them an appreciation of the magnitude of the overland migration and its significance in American history.

Site and Program Features: Scotts Bluff National Monument has a visitor center/museum complex which provides an overview of the geographical importance of the area to the immigrants on the Oregon Trail. Also interpreted is the geological structure of the bluffs, fossils, Native Americans and the origin of the Scotts Bluff name.

Unique Features: Our site features a midgrass prairie with two bluffs which rise 450 feet above the visitor center/museum.

Robotic dinosaurs add a nearly-living dimension to paleontological studies. Photo courtesy of the Academy of Natural Sciences of Philadelphia.

Two volunteers take a break and do a little discovery on their own. Photo courtesy of the Talahassee Junior Museum by Dana C. Bryan.

(679)

Animal Ark Inc.

Box 60057
Reno, NV 89506
(702) 969-3111

Open to youth groups. Day programs. Open every day except Saturday, Sunday. Open 4/1-10/31 Closed on major holidays. Annual budget less than $10,000. 1 Part-time staff. 50 Acres. Fees charged for facility use.

Mission: Our mission is to educate children about our native wildlife, especially the role of predators in the wild. When possible, to offer permanent or temporary housing to captive, unreleasable wild animals (orphans, confiscated wildlife, animals unwanted or unable to be cared for any longer by their owners, etc.).

Site and Program Features: Animal Ark provides an on-site educational program. The program focuses on predators–animals unique and important to our environment. Learning stations along the nature trail consist of short lectures with question/answer involvement and a variety of nature's wonders, experienced through sight, sound and touch. As visitors approach the end of the trail, their enjoyment is heightened by seeing the live, wild canids, felids and other animals of North America. Animal Ark is the only facility of its kind in northern Nevada and the only place in this same area where live, wild animals can be viewed by the public.

Unique Features: We feature a nature trail which features a predator program; a pleasant walk and slow climb through juniper tree, sage brush, and other native plant life area.

(680)

Hidden Cave

U.S. Dept. of the Interior
1535 Hot Springs Rd.
Suite 300
Carson City, NV 89706
(702) 882-1631 FAX: (702) 885-6147
Contact: Brian W. Hatoff, District Archaeologist

Open to youth groups and the general public. Day programs. Annual budget less than $10,000. 1 Full-time staff. 640 Acres.

Mission: Hidden Cave is valuable for what it reveals about two brief periods of Indian use of the cave and for its contribution to environmental history. The highly mobile hunter-gatherers used the cave as a cache or storage site for food and other items, helping to even out fat and lean years and to lighten their load as they made their seasonal rounds. There is also evidence of trade between Indian groups using the cave.

Site and Program Features: Hidden Cave Archaeological Site and Churchill County Museum's Hidden Cave Exhibit give the local community and other publics a view of the prehistory of the cave and the history of excavation at the site. Both are available for the public to see through a program of free guided tours.

NEVADA

(681)

Lake Tahoe Nevada State Park

P.O. Box 3283
Incline Village, NV 89450
(702) 831-0494
Director: Mark Kimbrough
Operator: State of Nevada-Division of State Parks

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: Mem. Day - Labor Day 8-9. Seasonal changes in schedule. Annual budget less than $10,000. 2 Full-time staff. 53 Acres. Fees charged for facility use.

Mission: To provide the public with the best quality recreational experience possible. This experience is directly related to the availability of experienced staff and proper facilities to provide the essential educational requirements.

Site and Program Features: Most environmental education or public programs are done on request. Subject areas can be requested by the groups. Several scheduled programs are put on each year. For a guide, call the Sand Harbor office at (702) 831-0494.

(682)

Lost City Museum

721 S. Hwy. 169
Overton, NV 89040
(702) 397-2193
Director: Kathryne Olson
Operator: State of Nevada

Open to youth groups and the general public. Day programs. Open every day. Hours: 8:30-4:30, Closed on major holidays. Annual budget $100-250,000. 2 Full-time staff. 3 Acres. Fees charged for facility use.

Mission: The purpose and goal of the museum is to collect, preserve and exhibit, for education and recreational purposes, those items pertaining to, but not limited to, the cultural and natural prehistory and history of southern Nevada.

Site and Program Features: The Lost City Museum is located on an archaeological site of the Lost City Anasazi complex. Pueblo and pithouse reconstructions are located on the museum grounds.

(683)

Nevada State Parks

1060 Mallory Way
Carson City, NV 89701
(702) 885-5138
Director: John Richardson
Contact: Suzanne Sturtevant, District Interpreter

Open to youth groups and the general public. Conference facilities. Day and multi-day programs. Open every day. Hours: Varies with each park facility. 70 Full-time staff. Fees charged for facility use. Newsletter.

Mission: It is the intention of Nevada State Parks to provide quality programs, events and activities designed to develop awareness, appreciation and understanding of Nevada's natural resources. We hope to develop a good understanding of each of Nevada's natural, cultural, scientific, historical, and recreational areas, and, therefore, create a desire to protect that environment.

Site and Program Features: Special features include Lake Tahoe (largest lake at this altitude in the world, 6,200'), Valley of Fire (Indian petroglyphs), and Cathedral Gorge (cathedral spires).

Unique Features: Unique features include forested areas (Lake Tahoe), lake areas (Lahontan, Tahoe, Walker Lakes), Cathedral Gorge, Lehman Caves, high/low desert.

(684)

Appalachian Mountain Club

Pinkham Notch
Gorham, NH 03581
(603) 466-2721
Director: Andrew Falender
Contact: Walter Graff, Education Director
Operator: Appalachian Mountain Club

Open to youth groups and the general public. Conference facilities. Day and multi-day programs. Open every day. Annual budget more than $1,000,000. 3 Full-time staff. 11 Acres. Lodging. Newsletter.

Mission: The Appalachian Mountain Club is an association of volunteers formed to encourage public respect for the natural environment and to provide opportunities for the enjoyment of its beauty and for the wise stewardship of its use. To this end, the club endeavors to provide leadership in the protection and preservation of the environment and to advocate the development of informed public policy.

Site and Program Features: Pinkham Notch Center is located in the middle of the White Mountain National Forest at the eastern base of Mount Washington. The variety of habitat is unmatched in New England, from lowland forest to alpine tundra. Our program offers a combination of nature study, outdoor skills (canoeing, cross-country skiing, hiking, first aid, map and compass), leadership development, arts and humanities, and school programming. In addition, we operate a series of backcountry facilities in a variety of locations from 2,000' to 5,300' providing a unique opportunity for field study.

Unique Features: Located at the eastern edge of Mount Washington in the U.S.F.S. White Mountain National Forest.

(685)

Audubon Society of New Hampshire

P.O. Box 528B,
3 Silk Farm Rd.
Concord, NH 03302
(603) 224-9909
Director: D. Dickinson Henry
Contact: Jeff Schwartz, Education Director

Open to youth groups and the general public. Day programs. Open every day. Hours: M-Sat 9-5; Sun. 1-5 Annual budget $500K-1,000,000. 25 Full-time staff. 15 Acres. Newsletter.

Mission: Since 1914, the Audubon Society of New Hampshire (ASNH) has been dedicated to the conservation of wildlife and natural resources throughout our state. We are a dynamic non-profit organization, independent of the National Audubon Society, with active programs in wildlife conservation, environmental education, land protection, and legislative action. We are working to ensure that wildlife needs and ecological values will be a lasting part of personal and public actions affecting New Hampshire's natural environments.

(686)

Bretzfelder Memorial Park

Prospect St.
Bethlehem, NH 03574
(603) 869-2683
Contact: Jeff Wallner, Resource Ed. Specialist
Operator: Society for the Proteciton of NH Forests

Open to youth groups and the general public. Day programs. Open every day. Hours: Daylight. Annual budget $10-25,000. 1 Part-time staff. 77 Acres.

Mission: Bretzfelder Memorial Park is operated as a recreation and environmental education center primarily for the people of Bethlehem, New Hampshire, as a memorial bequest.

Site and Program Features: The site includes an impressive white pine tree, memorial to Charles Bretzfelder, summer resident of the town; a man-made wildlife pond; a demonstration forest and a full trail system, as well as parking and picnic areas. Year-round youth and adult education programs augment the natural features.

Unique Features: Very large and ancient white pine—memorial to the former owner of the park property.

(687)

The Harris Center for Conservation Education

King's Highway
Hancock, NH 03449
(603) 525-4073
Director: Meade Cadot

Open to youth groups and the general public. Day programs. Open every day. Hours: 9-5 Closed on major holidays. Annual budget $100-250,000. 5 Full-time staff. 3500 Acres. Camping. Newsletter.

Mission: The purpose of the Harris Center is first to promote awareness, understanding and appreciation of the natural environment and to demonstrate that human communities can develop a sustainable, positive relation with the natural world. This is achieved through environmental education in schools, for the general public and for community leaders, and through direct protection and exemplary management of natural resources in the Monadnock region.

Site and Program Features: The Harris Center is surrounded by the Super Sanctuary, including New Hampshire's largest conservation easement. This easement, along with the Harris Center's property and other easements, supply us with over 3,500 acres of forests, lakes, meadows, ponds, monadnocks and a rich variety of wildlife to explore and study throughout the year.

Unique Features: Nestled at the base of Mt. Skatutakee.

Photo by Peter Stettenheim

(688)

John Ripley Forbes Nature Center

via U.S. Mailboat
Ragged Island
Lakeport, NH 03246
(603) 253-7685

Operator: Natural Science for Youth Foundation

Open to youth groups. Day programs. Open every day. Hours: 9 am - 9 pm (9-5 phone) Open: July 1-August 31. 2 Full-time staff. 12 Acres. Camping.

Mission: John Ripley Forbes Nature Center environmental education programs feature learning through direct experiential activities and intend to develop a sense of respect and interconnectedness with natural systems.

Site and Program Features: John Ripley Forbes Nature Center is on 12-acre Ragged Island on Lake Winnipesaukee, NH. The island has a one-mile self-guided nature trail, youth museum and is home to diverse mammals and birds.

Unique Features: The center is situated on a large lake surrounded by mountains on three sides. Since we are an island, transportation is by boat.

(689)

The Little Nature Museum

59 Boyce Rd.
Weare, NH 03281
(603) 529-7180

Director: Sandra W. Martin

Open to youth groups and the general public. Day programs. Hours: Open by appointment only. Annual budget less than $10,000. 21 Acres. Fees charged for facility use. Newsletter.

Mission: The goal of the museum is to stimulate an interest in the natural world, especially in young people; to enhance people's awareness and appreciation of the environment; and to preserve early collections of rocks/minerals, shells, fossils, etc.

Site and Program Features: The museum features collections, exhibits, and a library. There are self-guiding interpretive trails/guided trail walks; annual open house in May features special exhibits and a nature program. The museum conducts monthly children's science programs; hands-on in-school science programs, teacher workshops, and adult programs on a variety of natural science subjects are available. Museum members receive a quarterly newsletter.

(690)

Paradise Point Nature Center

Aububon Society of NH
North Shore Rd.
E. Hebron, NH 03232
(603) 744-3516

Director: Amy Day

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: 10-5; July 1-Aug. 31 Weekends only 5/1-6/30 & 9/1-10/15 Annual budget $25-50,000. 1 Full-time staff. 43 Acres. Newsletter.

Mission: Since 1914, the Audubon Society of New Hampshire (ASNH) has been dedicated to the conservation of wildlife and natural resources throughout our state. We are a dynamic non-profit organization, independent of the National Audubon Society, with active programs in wildlife conservation, environmental education, land protection, and legislative action. We are working to ensure that wildlife needs and ecological values will be a lasting part of personal and public actions affecting New Hampshire's natural environments.

(691)

Science Center of New Hampshire at Squam Lakes

Box 173
Holderness, NH 03245
(603) 968-7194

Director: William Webb
Contact: Dave Erler, Dir. of Ed.

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: 5/1-6/30,9/1-10/31 M-F 8:30-4:30,S-S 1-4 11/1-4/30 M-F 8:30-4:30 Closed on major holidays and 7/1-8/31 M-Sat 9:30-4:30 (hours cont.) Annual budget $250-500,000. 8 Full-time staff. 200 Acres. Fees charged for facility use. Newsletter.

Mission: The Science Center of New Hampshire at Squam Lakes primary mission is to provide school children with innovative environmental education programs with a strong emphasis on the natural history of native plant and animal communities of northern New England.

Site and Program Features: We feature an experienced talented staff, live native animal exhibits with related hands-on exhibits based upon four primary concepts: habitat, adaptation, populations and interrelationships.

Unique Features: Unique features include a 1-mile self-guiding trail with over a dozen native animals, including black bear, bob cat, white-tailed deer, raptors, etc. Related hands-on exhibits along the trail, including 6 buildings.

(692)

Stonedam Island Wildlife Preserve

Lakes Region Conservation Trust
Box 1097
Meredith, NH 03253
(603) 279-3246 FAX: (603) 279-7278
Director: Thomas A. Howe

Open to youth groups and the general public. Day programs. Open Saturday, Sunday. Hours: 10-5 Open July 4-Labor Day weekend only. Annual budget $100-250,000. 1 Full-time staff. 112 Acres. Fees charged for facility use. Newsletter.

Unique features: Unique features include 2 1/2 miles of undeveloped shoreline beaches.

(693)

Tin Mountain Conservation Center

PO Box 1170
Conway, NH 03818
(603) 447-6991
Director: Richard Thompson-Tucker

Open to youth groups and the general public. Day programs. Hours: Dawn to dusk Annual budget $100-250,000. 2 Full-time staff. 225 Acres. Newsletter.

Mission: Tin Mountain Conservation Center is a non-profit organization founded in 1980 to promote the enjoyment and conservation of the environment. The major focus of this work is environmental studies programs for the school children of the Mt. Washington Valley, stressing an understanding and appreciation of the natural world.

Site and Program Features: Tin Mountain's school program offers children an active, hands-on environmental studies program. The 34 weekly sessions feature frequent explorations of the school sites, our field station and other unique areas in New Hampshire. Tin Mountain sponsors community programs on land use and natural history and runs a summer camp for children ages 6 to 15.

A flashlight helps when examining the really tough places! Photo courtesy of the Tin Mountain Conservation Center.

A boat dock and a diving platform do double duty as a staging area for a pond study.

(694)

Atlantic County Division of Parks and Recreation

RD #20, Box 252A
Mays Landing, NJ 08330
(609) 625-7000

Director: Jeffrey Curtin
Contact: Catherine Smith, Sr., Park Naturalist

Open to youth groups and the general public. Day programs. Open every day. Hours: M-F 8-4; Sat-Sun 10-2. Annual budget $50-100,000. 4 Full-time staff. 3700 Acres. Camping. Newsletter.

Mission: To provide environmental education and recreational opportunities for residents and visitors of Atlantic county. This is accomplished by lectures, hands-on nature study, nature walks, slide presentations, educational brochures, day camp sessions, crafts, organized programs, and living and non-living displays.

Site and Program Features: The Fox Nature Center is situated on a 1,700-acre parcel, located in the NJ pinelands, which has had many historical uses. The blending of the historical and natural environment lends itself to a broad variety of educational possibilities. The educational background of the staff is broad and varied, encompassing many sectors of environmental/biological/ecological education.

(695)

Bernie Environmental Education Center

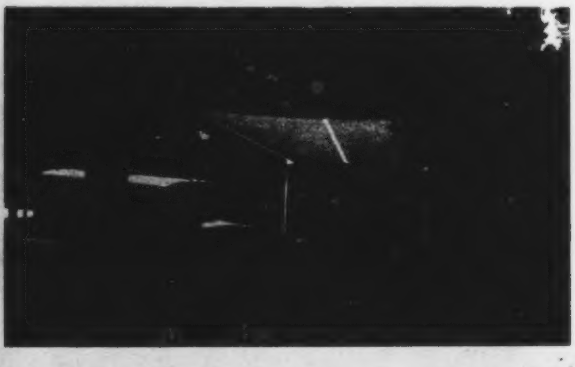
RD 2
Port Murray, NJ 07865
(201) 689-1318

Director: Rod Pearce
Operator: Ridgewood New Jersey YMCA

Open to youth groups and the general public. Conference facilities. Multi-day programs. Open every day. Seasonal changes in schedule. Annual budget $100-250,000. 3 Full-time staff. 250 Acres. Lodging. Camping. Fees charged for facility use. Newsletter.

Mission: The goal of the Bernie Environmental Education Center is to provide classroom educational institutions a viable option for introduction and expansion of students' current knowledge in science, environmental concerns, etc., and a building of self-esteem and confidence through resident, hands-on experience at our site.

Site and Program Features: We are a resident facility that provides students with not only a better understanding of our environment, but also a better understanding of themselves. We strive to relieve all apprehensions (students, parents, teachers) by working closely and personally with all participants. Through this personal involvement, we hope to make it easier prior, during, and after the center experience.



(696)

Camden City Envir. Center

Rt 5, Box 290
Beebetown Rd.
Hammonton, NJ 08037
(609) 561-3350

Director: Cecelia Brown
Contact: James Flanagan, Sup. of Envir. Education
Operator: Camden City Bd. of Educ.

Open to youth groups. Day programs. Open every day except Saturday, Sunday. Hours: 8-4 Closed on major holidays. Annual budget $100-250,000. 5 Five-time staff. 72 Acres.

Mission: Our mission is to reinforce basic skills by study and learning about the outdoors.

Site and Program Features: Each class which visits the Center is pre-visited to plan the visit. We coordinate the lessons at the Center with activities in the classroom.

(697)

Camden County Environmental Studies Center

Park Drive at Estaugh Ave.
Berlin, NJ 08009
(609) 768-1498

Contact: David Orleans, Park Naturalist
Operator: Camden County Dept. of Parks & Rec.

Open to youth groups and the general public. Day programs. Open every day except Saturday, Sunday. Hours: 8:30-4:30; Sat.-Sun. by reservation only Closed on major holidays. Annual budget $25-50,000. 1 Full-time staff. 140 Acres.

Mission: Our mission is to interpret to county residents the values of the natural world through programs designed to reach all segments of the population from preschool to senior citizen, from the adventurous to the challenged.

Site and Program Features: We are located on over 100 acres of lowland forest at the western edge of the New Jersey Pine Barrens. We provide a variety of programs to Camden County residents stressing human impact on the natural environment in the Pinelands as well as in their own backyards.

(698)

Camp Hope Commission

1792 Union Valley Rd.
P.O. Box 436
West Milford, NJ 07480
(201) 728-8166

Director: Eugene J. Madden
Operator: County of Passaic

Open to youth groups. Conference facilities. Day and multi-day programs. Open every day. Hours: 8:30-4:30 Seasonal changes in schedule. Closed on major holidays. Annual budget $500K-1,000,000. 1 Full-time staff. 50 Acres. Lodging. Camping. Fees charged for facility use.

Mission: To advance recreation (of the out of doors) to members of the public.

Site and Program Features: Beautiful northern New Jersey site close to a variety of state parks and forests, etc. Ideal for school groups. Several rates available. Outdoor pool.

(699)

Camp Ockanickon - YMCA

Box 218, Stokes Road
Medford, NJ 08055
(609) 654-8225

Director: Frederick Brown
Contact: Patrick Downing, Asst. Exec. Dir.

Open to youth groups and the general public. Conference facilities. Day and multi-day programs. Open every day. Annual budget more than $1,000,000. 8 Full-time staff. 600 Acres. Lodging. Camping. Fees charged for facility use. Newsletter.

Mission: Camp Ockanickon's program centers on development of appreciation for our natural world and stewardship for it. Primary focus on individual's growth in self-esteem and self-reliance.

Site and Program Features: Our location within the NJ pinelands provides a unique setting to study and appreciate the wonders of nature. A combination of pines, hardwoods, swamps, lakes and developed areas provide a true contrast within the NJ pinelands.

(700)

Cape May Bird Observatory

New Jersey Audubon Society
Box 3, 707 E. Lake Dr.
Cape May Point, NJ 08212
(609) 884-2736

Director: Dr. Paul Kerlingter
Contact: Patricia Sutton, Director of Ed. Programs

Open to youth groups and the general public. Open every day except Monday, Sunday. Hours: 9-3 Seasonal changes in schedule. Annual budget $100-250,000. 3 Full-time staff. Newsletter.

Unique Features: It is the best location (Cape May) for birding in North America.

(701)

Cape May Point State Park

Light House Ave.
Box 107
Cape May Point, NJ 08212
(609) 884-2159

Director: Dean Cramer
Contact: Lisa Wargo, Naturalist
Operator: State of New Jersey

Open to youth groups and the general public. Conference facilities. Day programs. Hours: 8-4:30 Seasonal changes in schedule. 1 Full-time staff. 200 Acres.

Mission: Our mission is environmental education and conservation.

Site and Program Features: We are one of the top hawk-watching spots on the East Coast in the fall. Most of our programs are free and meant for reaching the general public. We pride ourselves on the quality of education that we provide.

NATURE AREA

(702)

Annie M. Carter Nature Center

RD #4
Hammonton, NJ 08037
(609) 561-0024

Contact: Mark Canale and Alan Stearne, Co-directors
Operator: State of New Jersey

Open to youth groups and the general public. Conference facilities. Day programs. Open every day except Monday, Tuesday. Hours: 8:30-4:30. 1 Full-time staff. 110,000 Acres. Camping.

Mission: We provide a very flexible and informal service geared towards our visitors' preferences. Our goal is to help people better understand the unique and complicated pine barren ecosystems as well as natural resource awareness in general.

Site and Program Features: Set on the sandy soils of New Jersey's innercoastal plain, the Pine Barrens was delegated the U.S.'s first national preserve and recognized as a unique environment worth saving by the United Nations. This area contains many rare and unusual species. Annie M. Carter Nature Center can be found in the heart of The Pine Barrens in the historic village of Batsto, NJ.

Unique Features: Our site is composed of 75% undeveloped wilderness areas; many unique, rare species of plants and animals endemic to the pine barrens found here.

(703)

Clean Ocean Action

Box 505, Sandy Hook
Highlands, NJ 07732
(201) 872-0111
Director: Cynthia Zipf
Contact: Valerie Maxwell, Ed. Coordinator

Open to youth groups and the general public. Conference facilities. Open every day except Saturday, Sunday. Hours: 9-5 Closed on major holidays. Annual budget $100-250,000. 4 Full-time staff. Newsletter.

Mission: Our goal is to improve the degraded water quality of the marine waters off the NJ/NY coast. Clean Ocean Action will identify the sources of pollution and mount an attack on each source by using research, public education and citizen action to convince our public officials to enact and enforce measures which will clean and protect our ocean.

Site and Program Features: COA results: (1) The 12-mile dumpsite is closed; (2) ocean incineration of toxic waste has been abandoned by the USEPA; (3) the Clean Water Act has been passed; (4) NJ beaches are more closely monitored; (5) plastics and other floatables have been attached with state, federal, and international controls; (6) hundreds of thousands of citizens have joined forces to ensure a healthy, safe and clean ocean environment for our future.

(704)

Cooper Environmental Center

1170 Cattus Island Blvd.
Toms River, NJ 08753
(201) 270-6960
Director: Shaun O'Rourke
Operator: Ocean County Park Dept.

Open to youth groups and the general public. Day programs. Open every day. Hours: 10-4 Summer 9-5 Annual budget $250-500,000. 4 Full-time staff. 535 Acres. Newsletter.

(705)

John J. Crowley Nature Center

Passaic County Dept. of Parks & Rec
Lambert Castle
Paterson, NJ 07503
(201) 523-0024
Contact: Philip Conroy, Naturalist

Open to youth groups and the general public. Day programs. Open every day. Hours: 9-5 Closed on major holidays. Annual budget $50-100,000. 2 Full-time staff. 150 Acres. Newsletter.

Mission: Our nature center offers displays and programs for our visitors that range from the local flora and fauna to the depths of outer space. School classes, groups and individuals can attend nature walks, "Public Nights" at our astronomical observatory and a variety of other programs. Our main goals are to grow and develop and to offer the widest possible range of natural history study possible.

Site and Program Features: We are located in a beautiful wooded area atop the First Watching Mountain Range in Rifle Camp Park, West Paterson. Our site is excellent for observing migrating birds or just taking a quiet walk along bark trails. The cliff line outside the building offers an unobstructed view of the New York skyline.

(706)

Environmental Ed. Center

Somerset County Park Comm.
190 Lord Stirling Rd.
Basking Ridge, NJ 07920
(201) 766-2489
Director: R. Zito

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: 9-5 Annual budget $500K-1,000,000. 15 Full-time staff. 430 Acres. Newsletter.

Mission: Our mission is the stimulation of awareness and understanding of our total environment among people of all ages and to develop a sense of responsibility for the care and wise use of our natural resources.

Site and Program Features: The Somerset County Park Commissions Environmental Education Center is a major EE program, located in a wetlands area, in a region of critical environmental situations.

1956

(707)

Fairview Lake YMCA Environmental Educ. Center

RD 5, Box 5375
Newton, NJ 07860
(201) 383-9282
Director: Randall Caccia
Operator: YMCA

Open to youth groups and the general public. Conference facilities. Multi-day programs. Open every day. Annual budget $50-100,000. 10 Full-time staff. 600 Acres. Lodging. Camping. Fees charged for facility use. Newsletter.

Mission: To provide environmental education programs to increase a student's awareness, knowledge and respect towards the environment, himself and his fellow human beings.

Site and Program Features: Fairview Lake Environmental Education Center sits upon 600 acres of mixed coniferous and deciduous woodlands, red maple swamp and contains many streams, ponds and access to a 110-acre glacial lake. Our residential center can sleep over 300 people comfortably. Notable programs are hydrology/limnology, and terrestrial and wildlife ecologies.

(708)

Flat Rock Brook Nature Assn.

443 Van Nostrand Ave.
Englewood, NJ 07631
(201) 567-1265
Director: Neil Markowitz
Contact: Wendy Rhoads, Asst. Dir.
Operator: Flat Rock Brook Nature Assn.

Open to youth groups and the general public. Day programs. Open every day. Hours: 9-5 Closed on major holidays. Annual budget $100-250,000. 2 Full-time staff. 150 Acres. Newsletter.

Mission: Flat Rock Brook is dedicated to maintaining a sanctuary for plant and animal life, an environment available for all to enjoy passive recreation and a place for educating visitors, of all ages, about the natural world.

Site and Program Features: The Flat Rock Brook Center for Environmental Study provides an unparalled variety of natural beauty and environmental programs amid 150 acres of unspoiled native woodlands–a mere 4 miles from New York City. Uniquely situated on the west slope of the Palisades of New Jersey, the Flat Rock Brook Center boasts a diverse range of geological features rarely found in one region, from 180-million-year-old volcanic bedrock formations to wetlands, ponds, a cascading stream, meadows, and quarry cliffs. An extensive network of self-guiding trails to wander provides a sense of joy and an opportunity to discover nature in the midst of an urban environment.

Unique Features: Flat Rock is perched on the Palisades, a 180 million year old volcanic extrusion of diabase basalt - quarry cliffs.

(709)

Fox Nature Center

Atlantic County Div. of Parks & Rec
RD #20, Box 252A
Mays Landing, NJ 08330
(609) 625-7000
Director: Jeffrey Curtin
Contact: Catherine Smith, Sr. Park Naturalist

Open to youth groups and the general public. Day programs. Open every day. Hours: M-F 8-4; Sat.-Sun. 10-2. Annual budget $50-100,000. 4 Full-time staff. 3700 Acres. Camping.

Mission: To provide environmental education and recreational opportunities for residents and visitors of Atlantic County. This is accomplished by: lectures, hands-on nature study, nature walks, slide presentations, educational brochures, day camp sessions, crafts, organized programs, and living and nonliving displays.

Site and Program Features: The Fox Nature Center is situated on a 1,700-acre parcel located in the New Jersey Pinelands, which has had many historical uses. The blending of the historical and natural environment lends itself to a broad variety of educational possibilities. The educational background of the staff is broad and varied, encompassing many sectors of environmental/biological/ecological education.

(710)

Great Swamp Outdoor Education Center

247 Southern Blvd.
Chatham, NJ 07928
(201) 635-6629
Director: Robert C. Holt
Operator: Morris County Park Commission

Open to youth groups and the general public. Day programs. Open every day. Hours: 9-4:30 Closed July & August Closed on major holidays. Annual budget $50-100,000. 3 Full-time staff. 40 Acres.

Mission: The primary purpose of our center is to foster an awareness and appreciation of the natural world. Our facility is located in the middle of a densely populated suburban environment where people and wildlife constantly interact. We try to encourage an understanding that will benefit both.

Site and Program Features: The Great Swamp's varied habitats, from wetland to woodland, nurture a spectrum of wildlife–over 200 species of birds, 30 mammalian species, over 200 different wildflowers, and more. Endangered species, such as the blue-spotted salamander, bog turtle, and bald eagle, can all be found in this wildlife refuge less than 50 miles from New York City.

Nurturing feelings of tenderness and respect for living things begins at an early age.

(711)

Hackensack Meadowlands Development Commission Environment Center

Two Dekorte Park Plaza
Lyndhurst, NJ 07071
(201) 460-8300 FAX: (201) 460-1722

Director: Anne Galli
Contact: James Kealy, Program Supervisor

Open to youth groups and the general public. Conference facilities. Day programs. Open every day except Sunday. Hours: 9-5 Seasonal changes in schedule. Closed on major holidays. Annual budget $250-500,000. 32 Acres.

Mission: The Hackensack Meadowlands Development Commission Environment Center is an educational and scientific resource, dedicated to enhancing public understanding and appreciation of wetlands as well as our total environment.

Site and Program Features: The facility includes a 288-seat auditorium, classrooms, lecture and conference rooms, an environmental laboratory, a planetarium, and a glass-enclosed visitors center, which offers a spectacular view of the Meadowlands and the Manhattan skyline. The lobby contains live animals and natural history exhibits focusing on the estuary. A unique Meadowlands museum will include hands-on exhibits relating to environmental problems and solutions. The museum is planned to open in 1989.

Unique Features: The center is located between 200 acres of closed landfill and 100-acre brackish impoundment. Reclaiming adjacent 3-acre landfill with salt marsh vegetation within tidal zone and creating upland habitats, including wildflower meadow, young field through successional stages to small woodland.

(712)

Cora Hartshorn Arboretum and Bird Sanctuary

324 Forest Dr.
South Short Hills, NJ 07078
(201) 376-3587

Director: Elizabeth Naughton

Open to youth groups and the general public. Day programs. Open Tuesday, Thursday, Saturday. Hours: 2:30-4:30 Tues & Thurs; 9:30-11:30 Sat Annual budget $25-50,000. 2 Full-time staff. 16 Acres. Newsletter.

Mission: To educate children and adults in the value and delicate balance of nature and show them how to appreciate the out-of-doors.

Site and Program Features: Stone House is a small museum with changing exhibits. The grounds are a mature beech, tulip forest with a wide array of spring wild flowers. There are 3 miles of trails. The grounds are open during daylight hours. The area is a terminal moraine of the Wisconsin glacier.

(713)

Herrontown Woods

c/o Mercer County Park Commission
640 S. Broad St.
Trenton, NJ 08650
(609) 989-6532

Director: Joseph Schmeltz

Open to youth groups and the general public. Day programs. Open every day. Hours: Dawn to dusk Annual budget $10-25,000. 2 Full-time staff. 146 Acres.

(714)

Irvington Outdoor Ed. Center

Gen. Delivery
Flemington, NJ 08822
(201) 782-3806

Contact: Frank A. Sica, Supervisor
Operator: Irvington Board of Education

Open to youth groups. Open every day. No winter use. Closed on major holidays. Annual budget $100-250,000. 1 Full-time staff. 135 Acres. Lodging. Camping.

(715)

Kateri Environmental Education Center

Conover Rd.
Wickatunk, NJ 07765
(201) 946-9694

Director: Joan Keeler
Operator: Collier Serv./Good Shepherd Sisters

Open to youth groups and the general public. Conference facilities. Day programs. Open every day except Saturday, Sunday. Hours: 8:30-4 Open two weekends per month. Annual budget $100-250,000. 3 Full-time staff. 260 Acres. Lodging. Fees charged for facility use. Newsletter.

Mission: Our goal is to give knowledge which will help to create an appreciation, awareness and concern for our environment. Students grow through exciting and challenging programs which will foster and develop a sense of caring and responsibility for themselves and the world around them.

Site and Program Features: We offer hands-on, individually developed exciting and challenging programs on 250 diverse acres. Our preferential groups are the needy/handicapped.

(716)

Linwood-MacDonald Environmental Education Center

RD 2, Box 268
Branchville, NJ 07826
(201) 948-5522

Director: Paul Tarlowe
Contact: Susan Harlow, Program Director
Operator: YM-YWCA of Newark and Vicinity

Open to youth groups. Conference facilities. Day and multi-day programs. Open every day. Hours: 8:30-5:00 Seasonal changes in schedule. Annual budget $250-500,000. 2 Full-time staff. 350 Acres. Lodging. Fees charged for facility use.

Mission: The goal of Linwood-MacDonald EE Center is to increase awareness and understanding of the natural world and the role humans play in interacting with it. By doing so, we hope to bring about change in behaviors leading to a more ecologically viable existence.

Site and Program Features: Linwood-MacDonald is located on 350 acres that directly adjoin 23,000 acres of state forest lands. Our property has a variety of habitats, making it a wonderful outdoor laboratory. Organized groups of all kinds are welcome. Environmental and recreational programs are available.

(717)

Marine Mammal Stranding Center

P.O. Box 773
Brigantine, NJ 08203
(609) 266-0538

Director: Robert Schoelkopf
Contact: Kathy Illich, Educational Asst.

Open to youth groups and the general public. Day programs. Open every day except Monday. Hours: Sat.-Sun. 12-4 Summer: T-Sun. 11-5 Annual budget $50-100,000. 3 Full-time staff. 1 Acre. Newsletter.

Mission: The Marine Mammal Stranding Center of New Jersey is a private, non-profit organization fully licensed by the state and federal governments to rescue, rehabilitate and release stranded or otherwise distressed marine mammals (seals, whales, and dolphins) and sea turtles. The MMSC works to maintain and educate the public on the fragile nature of our marine environment. Our oceans are sending us a message, and we are trying to listen.

Site and Program Features: The future of our planet lies in the hands of our children. In turn, it has become the responsibility of our educators to provide the youths of our world with the knowledge and desire to protect our environment. Hoping to facilitate this awareness, the Marine Mammal Stranding Center developed an educational program of its own. Setting out in 1978 to educate the public, the program has seen an increasingly busy calendar in recent years, and is on its way to filling the new year with lecture dates.

(718)

James A. McFaul Wildlife Center

Crescent Ave.
Wyckoff, NJ 07481

Open to youth groups and the general public. Day programs. Open every day. Hours: 8-5 Annual budget $250-500,000. 9 Full-time staff. 81 Acres.

(719)

Mohican Outdoor Resource Center

Trenton State College
Hillwood Lakes CN 4700
Trenton, NJ 08650
(609) 771-2223

Director: Bert Davis
Contact: John Neveling, Program Coordinator

Open to youth groups and the general public. Conference facilities. Multi-day programs. Open every day. Closed Nov.-March 2 Part-time staff. Annual budget $25-50,000. Lodging. Camping.

Mission: The philosophy of the Mohican Outdoor Resource Center has been to promote a flexible system for servicing a wide variety of persons and groups. Examples of services include courses and workshops in environmental education, ecology, nature study, energy conservation, building construction, canoeing, geology, and alternate energy.

Site and Program Features: Located around the scenic 67-acre Catfish Pond, the Mohican Outdoor Resource Center offers a variety of self-contained programs along with many educational displays, both indoors and outdoors. Hiking can be done on several marked trails or the Applachian Trail which crosses the facility.

Unique Features: (1) A scenic 67-acre catfish pond; (2) The Appalachian Trail crosses the facility.

(720)

The Morris Museum

Six Normandy Heights Rd.
Morristown, NJ 07960
(201) 538-0454 FAX: (201) 538-0154
Director: John Peterson
Contact: Mary Lee Petty, Publicity Director

Open to youth groups and the general public. Day programs. Open every day. Hours: M-Sat. 10-5; Sun. 1-5 Closed on major holidays. 15 Full-time staff. Fees charged for facility use. Newsletter.

Mission: We offer a family-oriented museum stressing education with an emphasis on the environments of New Jersey.

Site and Program Features: Special features include exhibits, live animal display, gallery talks and special programs.

(721)

New Jersey Audubon Society

11 Hardscrabble
Bernardsville, NJ 07924
(201) 766-5787
Director: Richard P. Kane
Contact: Pat Kane, Director of Ed.
NJ Audubon Operated Sites.

Lorrimer Sanctuary and Nature Center
790 Ewing Avenue
Franklin Lakes, NJ 07417
(201) 891-2185

Scherman/Hoffman Sanctuaries
Hardscrabble Rd
Bernardsville, NJ 07924

Owl Haven Nature Center
Englishtown-Freehold Rd
Tennent, NJ 07763
(201) 780-7007

Rancocas Nature Center
Rancocas - Mt. Holly Rd.
Mount Holly, NJ 08060
(609) 261-2495

Cape May Bird Observatory
707 East Lake Dr.
Cape May Point, NJ 08212
(609) 884-2736

Open to youth groups and the general public. Conference facilities. Day programs. Open every day except Monday. Hours: T-Sat. 9-5; Sun.-12-5 Closed on major holidays. Annual budget $50-100,000. 3 Full-time staff. 300 Acres.

Mission: Our mission is to foster environmental awareness and a conservation ethic among New Jersey citizens; to protect New Jersey birds, mammals and other animals and plants, especially endangered and threatened species; and to promote preservation of Jew Jersey's valuable natural habitats.

Site and Program Features: This center attracts over 160 species of birds and over 25 species of animals because of its habitat diversity and abundant food supply. Our programs offer a variety of topics to adults–including foreign and domestic travel; our camp and program for the preschooler is award-winning.

(722)

New Jersey School of Conservation

Box 272
Branchville, NJ 07826
(201) 948-4646
Director: John J. Kirk
Operator: Montclair State College State of NJ

Open to youth groups. Multi-day programs. Open every day. Seasonal changes in schedule. Closed on major holidays. Annual budget $500K-1,000,000. 2 Full-time staff. 30,000 Acres. Lodging. Newsletter.

Mission: The purpose of SOC is to increase environmental awareness in all people.

Site and Program Features: Our program stresses four curriculum areas: humanities, social studies, outdoor pursuits and science.

(723)

New Jersey State Museum

205 W. State St.
Trenton, NJ 08625-0530
(609) 292-6330
Director: Leah P. Sloshberg
Contact: David C. Parris, Curator of Nat. History
Operator: State of New Jersey

Open to youth groups and the general public. Day programs. Open every day except Monday. Hours: T-Sat. 9-4:45; Sun. 1-5 Closed on major holidays. Annual budget more than $1,000,000. 10 Full-time staff. 2 Acres. Newsletter.

Mission: The New Jersey State Museum is a general museum of arts and sciences, dedicated especially to New Jersey. The Bureau of Natural History maintains collections and offers programs that represent and interpret New Jersey and the Atlantic coastal region.

Site and Program Features: The New Jersey State Museum has major collections of most aspects of the natural history of the state. Its educational programs are illustrated by actual specimens which are seldom available elsewhere. Interpretive staff members are well trained and greatly experienced with natural history of the region.

(724)

Robert J. Novins Planetarium

Ocean County College
Toms River, NJ 08754-2001
(201) 255-0343
Director: R. Erik Zimmermann
Operator: Ocean County College

Open to youth groups and the general public. Day programs. Open every day except Monday. Hours: Winter: Th-Fr-Sat. 8; Sat.-Sun. 2 Summer: T-F 2; Th-F 8 Annual budget $100-250,000. 2 Full-time staff. Fees charged for facility use.

Mission: To provide education in astronomy and space science for school children and the general public, and to serve as a resource for people seeking information in those areas. To foster an awareness of our role as small but integral parts of a vast and beautiful universe.

Site and Program Features: Very modern planetarium facility with computer automation. A unique school program offering a complete space science curriculum on a regional basis. Public shows comparable to those of major urban planetariums.

(725)

The Ocean Institute

Box 533
Sandy Hook, NJ 07732
(201) 872-2284
Director: David Grant
Operator: National Park Service Area

Open to youth groups and the general public. Day and multi-day programs. Open every day. Seasonal changes in schedule. Annual budget $50-100,000. 2 Full-time staff. 1500 Acres. Lodging. Camping. Fees charged for facility use.

Mission: To serve the county college community and New Jersey with lively, relevant and informative programs on the environment.

Site and Program Features: The Ocean Institute is located on Sandy Hook, part of Gateway National Recreation Area. We specialize in oceanography and environmental education programs for K-12, college, and adult groups (including Elderhostel). We offer beach walks, marsh studies, boat trips and canoe trips.

Unique Features: Barrier sand spit, port of Gateway National Recreation Area.

(726)

Paws Farm Nature Center

1105 Hainesport-Mt. Laurel Rd.
Mt. Laurel, NJ 08054
(609) 778-8795
Director: Katharine Tweedy

Open to youth groups and the general public. Conference facilities. Day programs. Open every day except Monday, Tuesday, Wednesday. Hours: 10-4 Annual budget $25-50,000. 3 Part-time staff. 8 Acres. Fees charged for facility use. Newsletter.

Mission: Paws Farm Nature Center is a non-profit volunteer run organization dedicated to educating school children and families, teaching wildlife principles, and caring for injured and wildlife in the area. Also, we have an in-depth pet therapy program for senior citizens in the county.

Site and Program Features: Paws' strength lies in its volunteers who can care for the injured wildlife, conduct tours of the farm and travel with the animals to schools and nursing homes. The farmhouse was built in 1737 and was completely restored by Paws volunteers.

(727)

Pequest Trout Hatchery and Natural Resource Educ. Center

RR 1, Box 389
Oxford, NJ 07863
(201) 637-4125 FAX: 201-637-6735
Director: David Chanda
Contact: Laurie Pettigrew, Sr. Biologist - Educ.
Operator: NJ Div. Fish, Game & Wildlife

Open to youth groups and the general public. Day programs. Open every day except Monday, Tuesday. Hours: 10-4 Closed on major holidays. Annual budget $100-250,000. 3 Full-time staff. 1600 Acres.

Mission: The goal of the Pequest Natural Resource Education Center is to educate people about the role of natural resources in their lives and the importance of managing and using them wisely.

Site and Program Features: We are located at the state's only trout hatchery. We also offer evening and weekend programs on a wide range of natural resource related topics - from fishing to moonlight hikes. Programs can be scheduled for school and other organized groups.

Sampling and testing water is one way to help students understand human impact upon water systems. Photo courtesy Conservation and Environmental Science Center.

(728)

Pinelands Institute for Natural and Environmental Studies

120-13 Whitesbog Rd.
Browns Mills, NJ 08015
(609) 893-1765
Director: Gary Patterson
Operator: N.J. Dept. of Env. Protection

Open to youth groups and the general public. Day programs. Open every day except Sunday. Hours: 9-4 Closed on major holidays. Annual budget $100-250,000. 2 Full-time staff. Fees charged for facility use.

Mission: To provide information and educational experiences about the unique New Jersey Pinelands ecosystem and its related human culture.

Site and Program Features: P.I.N.E.S. is located in the preservation area of the 1.1 million-acre National Pinelands Reserve, in a historic cranberry/blueberry plantation called "Whitesbog." The school and public group activities are about the ecology and culture of the Pinelands. All learning activities are "direct learning, hands-on," structured academic experiences in a natural laboratory setting.

Unique Features: Located in the historic village of Whitesbog, an old cranberry plantation and the site of the first cultivated blueberry industry.

(729)

Poricy Park Nature Center

Oakhill Rd., Box 36
Middletown, NJ 07748
(201) 842-5966
Contact: Kathleen Whitney, Administrator
Operator: Poricy Park Citizens Committee

Open to youth groups and the general public. Day programs. Open every day except Saturday. Hours: M-F 9-4; Sun. 12:30-3:30 Closed on major holidays. Annual budget $100-250,000. 4 Full-time staff. 250 Acres. Newsletter.

Mission: (1) To preserve the undeveloped land in Poricy Park; and (2) to support proper conservation planning and practices in the township and school classes, coordinating such programs with the school curriculum.

Site and Program Features: Our 250 acres offer field, stream, marsh, pond and wood environments. Our school programs are designed to augment the class curriculum. We also offer historical programs in our restored 18th-century farmhouse owned by a local Revolutionary War patriot. We have an active 230-member Quilt Guild. Our fossil beds are widely recognized for the fine specimens of cretaceous fossils found there.

Unique Features: Our site features beds of Cretaceous fossils, primarily of shell fish.

(730)

Princeton Education Center at Blairstown

158 Millbrook Rd.
Blairstown, NJ 07825
(201) 362-6765
Director: Joel Wilkinson

Open to youth groups. Conference facilities. Multi-day programs. Annual budget $250-500,000. 5 Full-time staff. 270 Acres. Lodging. Fees charged for facility use. Newsletter.

Mission: The purpose of the Princeton Education Center at Blairstown is to promote human development and environmental learning through outdoor educational programs and summer adventure programs which develop self-confidence, group cooperation, environmental awareness, and appropriate interactions. Our primary mission is to serve the needs of urban youth from inner-city areas, as well as area school groups and community-based organizations.

Site and Program Features: Our programs use the natural environment and the dynamics of a small group to create a series of challenging experiences which are safe, fun, exciting, and educational. Learning occurs as a result of mastering these challenges and reflecting on the experience within a supportive community. The strength of our adventure programs is the holistic mix of human and environmental objectives.

Unique Features: We are situated in New Jersey's Kittatinny Mountains near the Delaware Water Gap National Recreation area and the Appalachian Trail.

(731)

Project U.S.E.

Box 3315
Long Branch, NJ 07740
(201) 870-6650
Director: Phillip Costello
Contact: Becky Hostetter, Prog. Director

Open to youth groups and the general public. Multi-day programs. Annual budget $250-500,000. 9 Full-time staff. 100 Acres.

Mission: Project USE is an adventure-based outdoor education program. Our goal is to provide a resource that provides outdoor/environmental/wilderness services to schools, youth groups and community groups. During the summer, we offer open enrollment courses to the general public.

Site and Program Features: We offer courses ranging from 1 to 30 days in length. Our courses include various activities: rock climbing, rappelling, biking, canoeing, initiative games, high ropes courses, orienteering, hiking, and basic camping skills. We strive to introduce people to the outdoors in such a way that they enjoy themselves and learn something about themselves.

(732)

Rancocas Nature Center

RD 1, Rancocas Rd.
Mount Holly, NJ 08060
(609) 261-2495
Director: Karl Anderson
Operator: New Jersey Audubon Society

Open to youth groups and the general public. Day programs. Open every day except Monday. Hours: 9-5 Closed on major holidays. Annual budget $50-100,000. 2 Full-time staff. 150 Acres.

Studying seed adaptation at Reeves-Reed Arboretum. Photo by Anne Ross

(733)

Reeves-Reed Arboretum

165 Hobart Ave.
Summit, NJ 07901
(201) 273-8787
Director: Lu W. Rose
Contact: Betty McAndrews, Dir. Public Info.

Open to youth groups and the general public. Day programs. Open Monday, Tuesday, Thursday. Hours: 9-3 Closed on major holidays. Annual budget $50-100,000. 3 Full-time staff. 13 Acres. Fees charged for facility use. Newsletter.

Mission: As a cultural and horticultural institution, the Reeves-Reed Arboretum uses the beauty of a historic 1889 estate to educate adults and children about and stimulate their respect for their own immediate environment. The Reeves-Reed also fosters a connection between art and nature.

Site and Program Features: Glacially-sculpted terrain includes woodlands, open lawns and formal gardens. Historic 1889 house invites enjoyment of concerts, art workshops, lectures and educational classes in a preserved, natural setting. School groups from four counties fill to capacity the "Networks to Nature" educational classes for children K-4.

(734)

Sandy Hook Unit Gateway National Recreation Area

Box 530
Fort Hancock, NJ 07732
(201) 872-0115
Director: Stephen Whitesell
Contact: Randy Turner, Chief of Interpretation
Operator: National Park Service

Open to youth groups and the general public. Multi-day programs. Open every day. Hours: Dawn to dusk Annual budget more than $1,000,000. 1600 Acres.

Mission: The mission of the National Park Service is to preserve and protect the area under its jurisdiction. Every environment found on Sandy Hook, whether cultural or natural, is unique. The interdependence of all life means that people must act to preserve their environments.

Site and Program Features: The Sandy Hook Unit of Gateway National Recreation Area is a fine example of the many environments found on a barrier beach, from ocean beach to salt marsh. Historic Fort Hancock and the oldest operating lighthouse in the United States are of interest to anyone curious about history. A variety of public programs explores both the natural and cultural history of the park. A residental environmental education program is available for school children.

Unique Features: Sandy Hook includes seven miles of beaches in which you can walk through the dune environments including holly forest.

(735)

John M. Schiff Nature Center

Schiff Nature Land Trust, Inc.
Pleasant Valley Rd.
Box 97
Mendham, NJ 07945

Mission: Due to open in 1990. Please contact the Schiff Nature Land Trust for more information.

(736)

Stoney Brook-Millstone Watershed Association

RD 1 Box
263A Titus Mill Rd.
Pennington, NJ 08534
(609) 737-7592
Contact: Jeff Hoagland, Educ. Director

Open to youth groups and the general public. Conference facilities. Day programs. Open every day except Sunday. Hours: 9-5 Annual budget $250-500,000. 7 Full-time staff. 585 Acres. Newsletter.

Mission: We are an environmental organization which for almost four decades has helped shape and improve the quality of the environment. We are committed to the improvement of the community's awareness of environmental issues through education.

Site and Program Features: Our 585 acre Nature Reserve offers more than eight miles of trails, an indoor Discovery Room and a demonstrative organic farm. The fields, forests, streams and wetlands provide the public with an extensive representation of central New Jersey bird and animal life including threatened and endangered species.

(737)

Tenafly Nature Center

313 Hudson Ave.
Tenafly, NJ 07670
(201) 568-6093
Director: Roger F. Schwoerer

Open to youth groups and the general public. Day programs. Open every day. Hours: 9-5 Closed on major holidays. Annual budget $50-100,000. 2 Full-time staff. 50 Acres. Newsletter.

Mission: Enlighten the public about the environment so they can understand, appreciate and protect it for future generations and to open children's eyes to the beauty and meaning of the natural world around them.

Site and Program Features: A deciduous forest of 50 acres surrounding a 5-acre pond and adjoining a 330-acre preserve belonging to Tenafly, various trails and a trail shelter. Our program includes a curriculum integrated into the public school science program, after-school classes for interested children and family program offerings. Our bee hives, sugar maples and cider maker offer interesting seasonal activities.

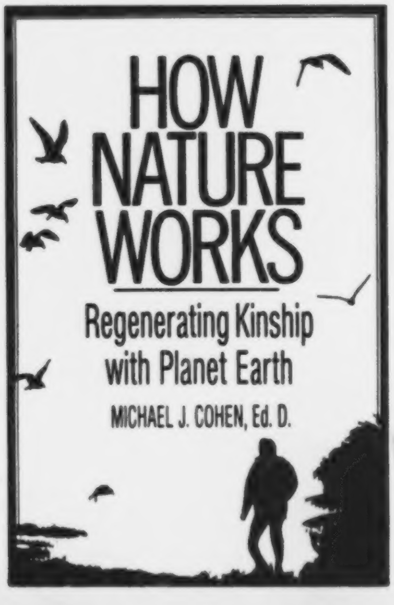
(738)

Thunder Mountain School

5 Star Route
Layton, NJ 07851
(201) 948-6767
Director: Douglas Houskeeper
Operator: Newton Board of Education

Open to youth groups and the general public. Conference facilities. Open every day except Saturday, Sunday. Hours: 8:15-4:00. Summer changes in schedule. Closed on major holidays. Annual budget $250-500,000. 1 Full-time staff. 200 Acres. Lodging.

Mission: Thunder Mountain is a school for the emotionally disturbed child. It is located in Sussex County and is run under the auspices of the Newton Board of Education. The school is located in the Delaware Water Gap National Recreation Area. All Thunder Mountain classes are now based on a progressive behavior modification program. The modification program allows staff to work effectively with all of the students while providing them with a strong sense of structure.


HOW NATURE WORKS
Regenerating Kinship with Planet Earth
MICHAEL J. COHEN, Ed. D.

(739)

Trailside Nature & Science Ctr.

Coles Ave. & New Providence Rd.
Mountainside, NJ 07092
(201) 789-3670
Director: Hollace Hoffman
Operator: County of Union

Open to youth groups and the general public. Day programs. Open every day. Hours: 1-5 Closed on major holidays. Annual budget $100-250,000. 3 Full-time staff. 2000 Acres.

Mission: To educate people about their interrelationship with the natural world. To interpret the anthropological and natural history of the site. To provide environmental education programs, workshops and exhibits. To stimulate an interest in conservation. To promote understanding of the effects of habitat loss. To convey the importance of maintaining a healthful environment.

Site and Program Features: We are located on a basalt uplift–can see top of lava flows, glacial erratics, shale/sandstone deposits; vegetation–dry uplands to floodplain; historic site of 1860's factory town; and raptor migration route.

(740)

Walpack Valley Environmental Education Center

Box 134
Walpack, NJ 07881
(201) 948-5749
Director: Wayne Grove
Contact: Charles Bickart, Environ. Ed. Coordin.
Operator: National Park Serv./Eatontown Pub. Schls

Open to youth groups. Multi-day programs. Open every day except Saturday, Sunday. Closed on major holidays. Annual budget $50-100,000. Fees charged for facility use.

Mission: To provide an opportunity for students to become more aware of their delicate interrelationship with the environment. Students experience within a rural setting group interaction. To develop an awareness and appreciation for the environment through experiential learning.

Site and Program Features: Residential, one class at a time. Small groups reside at center (30 or less). Location–within national park, bounded by Delaware Water Gap and River, Appalachian Mountains. All participants are taught by 2 full-time, certified science teachers.

219

Nature center bookstores often carry excellent books and curricula published by on-line professionals in the field. (See Appendix A for nature centers with bookstores.)

(741)

Washington Crossing State Park

Box 337-A, RD #1
Titusville, NJ 08560
(609) 737-0609
Contact: Wayne Henderek, Naturalist
Operator: NJ Div. of Parks and Forest

Open to youth groups and the general public. Conference facilities. Day programs. Open every day except Monday, Tuesday. Hours: 9-4:30 Seasonal changes in schedule. Closed on major holidays. Annual budget $25-50,000. 1 Full-time staff. 814 Acres. Newsletter.

Mission: Our mission is to arouse our visitors' curiosity and natural sense of wonder for the created world in order to foster an attitude of respect, responsibility and reverence toward the natural environment.

Site and Program Features: We offer successional mosaic and multidisciplinary outdoor education curriculum.

(742)

Weis Ecology Center

150 Snake Den Rd.
Ringwood, NJ 07456
(201) 835-2160
Director: Lee Schisler
Contact: Sandra Boggs, Assoc. Dir.

Open to youth groups and the general public. Conference facilities. Day and multi-day programs. Open every day. Hours: 8:30-4:30. Annual budget $100-250,000. 9 Full-time staff. 160 Acres. Lodging. Camping. Fees charged for facility use. Newsletter.

Mission: The center's programs are designed to increase people's awareness, appreciation and understanding of the environment. Programs are offered in three areas–residential, day programs and weekend public programs–to help achieve the center's goals.

Site and Program Features: The Weis Ecology Center is located in the northern New Jersey Highlands and occupies 160 acres that offer woodlands, streams and an abundance of hiking trails. The area is also rich in cultural history with old iron mines and abandoned farmsteads providing excellent opportunities for study. Programs cover a wide range of natural history topics, but the natural resources on the property make fresh water ecology, forest and wildlife studies, and cultural history investigations particularly popular.

(743)

The Wetlands Institute

Stone Harbor Blvd.
Stone Harbor, NJ 08247
(609) 368-1211
Director: Cindy O'Connor
Contact: Karen Bage, Dir. of Ed.

Open to youth groups and the general public. Day programs. Open every day except Monday, Sunday. Hours: 9:30-4:30 Summer: open Mondays Closed on major holidays. Annual budget $250-500,000. 5 Full-time staff. 34 Acres. Lodging. Fees charged for facility use. Newsletter.

Mission: To promote understanding of the coastal environment and to serve the public by offering a wide variety of public education programs, fostering basic and applied scientific research, providing a range of public services (including providing information and assistance for conservation projects), and promoting conservation through non-confrontational enhancement of public awareness.

Site and Program Features: The institute's property is surrounded by 6,000 additional acres of salt marsh. We offer a nature trail, including a pier and boardwalk. Also available are an aquarium building with local marsh and bay animals, a marsh view lecture hall, observation tower, gift shop and children's discovery room. We are open year-round with environmental programs for all ages.

Unique Features: A salt marsh and a barrier beach are located near the facility.

The Wetlands Institute

(744)

A.P.S. Environmental Ed. Center

P.O. Box 2704
Albuquerque, NM 87125
(505) 842-3731
Director: John Cox
Operator: Albuquerque Public Schools

Open to youth groups. Day programs. Open every day except Saturday, Sunday. Hours: 8:30-3:30. Annual budget $100-250,000. 4 Part-time staff. 135 Acres.

Mission: Through effective utilization of the natural features of the Environmental Ed. Center's 130-acre outdoor setting in the Sandia Mountains, all A.P.S. students will be encouraged to: (1) observe, discuss, and develop a basic understanding of the ecological processes that nurture and sustain the living cycles and systems of the Sandia Mountain Forest; (2) compare and contrast the function of a natural forest with those of a man-made urban community; and (3) rationalize why human survival is totally dependent on natural systems and their living/nonliving resources.

Site and Program Features: The center's instruction trails traverse a wide variety of environments such as meadows, arroyos, rock-walled canyons, springs, and forest/plant species that are indicative of three of the world's seven life zones. The site's western boundary abuts the Cibula National Forest and a special use permit allows the instructional trails to access an additional 600 acres of forest land. Learning by direct observation and sensory-motor experiences captivates and stimulates student curiosity and interest to learn more about the big-sky classroom. Student evaluation evinces that students enjoy learning in this milieu rather than in a passive classroom.

Unique Features: The site has plant species that represent three life zones: upper sonoran, transition, and Canadian.

(745)

Albuquerque Public Schools

725 University Blvd. S.E.
Albuquerque, NM 87125
(505) 842-3731
Director: John Cox
Operator: Albuquerque Public Schools

Open to youth groups. Day programs. Open every day except Saturday, Sunday. Hours: 8:30-3:30 Seasonal changes in schedule. Closed on major holidays. Annual budget $50-100,000. 130 Acres.

(746)

Aztec Ruins National Monument

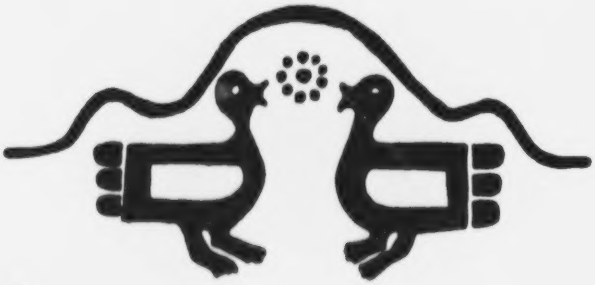
Box 640
Aztec, NM 87410
(505) 334-6174
Director: Barry Cooper
Contact: Theresa Nichols, Chief Ranger
Operator: National Park Service

Open to youth groups and the general public. Day programs. Open every day. Hours: 8-6:30 Labor Day-Memorial Day: 8-4:30 Annual budget $100-250,000. 6 Full-time staff. 27 Acres. Fees charged for facility use.

Mission: Our mission is to preserve all natural features in the park and to provide for safe, enjoyable use of the park by visitors.

Site and Program Features: The monument preserves an Anasazi Pueblo initially built in the early 1100's and occupied at two different time periods. A reconstructed Great Kiva shows what this ceremonial/communal structure might have looked like when its original inhabitants used it. Exhibits, films, and interpretive talks are available throughout the year.

Unique Features: We feature an Anasazi Pueblo.



(747)

Bandelier National Monument

Los Alamos, NM 87544
(505) 672-3861
Director: Jose Cisneros, Supt.
Contact: Andrea Sharon, Supervisory Park Ranger
Operator: National Park Service

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: 8-4:30 Summer: 8-6. Annual budget more than $1,000,000. 27 Full-time staff. 32,000 Acres. Camping. Fees charged for facility use.

Mission: Bandelier National Monument was established in 1916 as a unit of the National Park System with a mission to preserve and interpret archeological sites of the prehistoric Anasazi culture and the natural resources of the Pajarito Plateau.

Site and Program Features: The 32,000-acre monument is 80% designated wilderness and contains over 70 miles of hiking trails. A visitor center with information, exhibits and films is open daily except Christmas Day. From Memorial Day through Labor Day, ranger-conducted ruins tours, campfire programs and numerous other interpretive programs are available. A traveling trunk and films are available for loan.

Unique Features: Elevation changes from Rio Grande River (5,300') to mountain peaks (10,000'); 80% designated wilderness area; rugged canyon and mesa terrain.

(748)

Carlsbad Caverns National Park

3225 National Parks Highway
Carlsbad, NM 88220
(505) 785-2232
Director: Wallace B. Elms
Contact: Felix Hernendez, Chief of Interp.
Operator: National Park Service

Open to youth groups and the general public. Day programs. Open every day. Annual budget more than $1,000,000. 46,755 Acres.

Mission: Our mission is to preserve all natural features in the park and to provide for safe, enjoyable use of the park by visitors.

(749)

Chaco Culture National Historical Park

Star Rt. 4, Box 6500
Bloomfield, NM 87413
(505) 988-6727
Operator: National Park Service

Open to youth groups and the general public. Day and multi-day programs. Open every day. Hours: 8-5pm 8 Full-time staff. 33,000 Acres. Camping. Fees charged for facility use.

Mission: National Park Service areas are designed to preserve and protect natural and cultural resources for future generations, while providing for present visitation.

Site and Program Features: Anasazi ruins, and interpretation of their life.

(750)

Living Desert State Park

N.W. of city off hwy. 285
Carlsbad, NM 88220
(505) 887-5516
Director: Elza "Skeeter" Paul
Contact: N. Dean Ricer, Park Superintendent
Operator: State of NM Energy Min/Nat. Res. Dept.

Open to youth groups and the general public. Day programs. Open every day. Hours: 5/15-Labor Day 8am-7pm Labor Day-5/15 9-4 Annual budget $250-500,000. 8 Full-time staff. 1200 Acres. Fees charged for facility use.

Mission: Our purpose is to preserve a remnant of the Chihuahuan Desert in a rapidly urbanizing area; display living (native) plants and animals in natural-appearing settings; and to provide an educational and exciting experience to our citizens and guests.

This model of Tyrannosaurus rex needs to be watched - It's too lifelike! Photo courtesy of the Academy of Natural Sciences of Philadelphia.

(751)

Rio Grande Nature Center

2901 Candelaria Rd. NW
Albuquerque, NM 87112
(505) 344-7240
Director: Connie Bebout
Operator: State of New Mexico Park & Rec. Div.

Open to youth groups and the general public. Day programs. Open every day. Hours: 10-5. Annual budget $100-250,000. 5 Full-time staff. 270 Acres. Newsletter.

Mission: RGNC is a wildlife preserve and educational facility. Our goals are to attract wildlife and waterfowl by continually improving the natural habitat of the Rio Grande Bosque "River Forest." We strive to educate the public on the importance of the bosque as a wildlife habitat and encourage its proper use.

Site and Program Features: Our visitor center blends well into surroundings. It is viewed as an earthen dam from the front and concrete dam once inside. A 4-acre pond is held back by our center. We have several hiking trails along the Rio Grande. Programming ranges from excellent bird I.D. to monthly themes, including local to international topics/issues. Steady after school and summer camp programs.

Unique Features: RGNC is situated in Rio Grande Bosque, said to be longest continuous cottonwood forest in U.S. Visitor Center takes appearance of river dam, all concrete building, north wall holds back 4 acre pond.

(752)

Adirondack Ecological Center Adirondack Wildlife Program

Rt. 28N
Newcomb, NY 12852
Director: William Porter
Contact: D. Andrew Saunders, Educ. Coordinator
Operator: State Univ. of New York

Open to youth groups and the general public. Conference facilities. Day and multi-day programs. Open every day. Annual budget $250-500,000. 15,000 Acres. Newsletter.

Mission: The Adirondack Ecological Center has a tradition of more than 40 years of ecological research and public service. Facilities are available to scientists worldwide who wish to conduct personal studies of the Adirondack Eco. System. Support services include inexpensive housing among lakes and forested mountains, specialized vehicles, modern library, technical staff, laboratory, and historical database of plant and animal communities.

Site and Program Features: The Adirondack Wildlife Program is a special effort of SUNY-ESF and funded mainly by the State legislature. The AWP consists of research and education components developed at the Adirondack Ecological Center. The research component features study of the Adirondack Eco. System including sensitive and extirpated birds and mammals. The education component translates recent discoveries into innovative products available to science educators.

(753)

Adirondack Outdoor Education Center

Pilot Knob, NY 12844
(518) 656-9462
Director: Chris Gamble
Operator: Schenectady County YMCA

Open to youth groups and the general public. Conference facilities. Multi-day programs. Open every day. Residential prog. May-Oct only Annual budget $25-50,000. 2 Full-time staff. 200 Acres. Lodging. Camping. Fees charged for facility use.

Mission: Through carefully orchestrated programming, the Adirondack Outdoor Education Center strives to deepen people's understanding about themselves, their companions and their environment. Well-trained staff and superior facilities aid in this mission.

Site and Program Features: The Adirondack Outdoor Education Center is on the east side of spectacular Lake George. Bordering Forever Wild New York State Preserve, the Center's 200 acres contain mountain stream, beaver-created wetland, forest and open areas. An eighteen element high-ropes course and team/trust-building course complement nature studies for a complete outdoor education experience.

(754)

Alley Pond Environmental Center, Inc.

228-06 Northern Blvd.
Douglaston, NY 11363-1890
(718) 229-4000
Director: Alvin Finkelstein

Open to youth groups and the general public. Day programs. Open every day except Monday. Hours: 9-4:30; except 11-3:30 Sun. Jul-Aug closed Sun. Closed on major holidays. Annual budget $250-500,000. 8 Full-time staff. 635 Acres. Newsletter.

Mission: The Alley Pond Environmental Center strives to encourage environmental awareness, understanding, appreciation and responsibility in the urban person through education.

Site and Program Features: The Alley Pond Environmental Center is a unique building encompassing an interpretive museum, classrooms, exhibits, gift shop and auditorium.

Studying and tagging moose at the Adirondack Ecological Center.

(755)

Aquarium of Niagara Falls

701 Whirlpool St.
Niagara Falls, NY 14301
(716) 285-3575
Director: Albert Clifton, Jr.
Contact: Helen Domske, Curator of Education
Operator: Sea Research Foundation, Inc.

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: 9-5 9-7 Jun-Aug Annual budget $500K-1,000,000. 9 Full-time staff. 1 Acre. Newsletter.

Mission: The Aquarium of Niagara Falls is a non-profit facility dedicated to education and research in the aquatic sciences. We offer public displays and demonstrations which are designed to educate people about aquatic environments and the plants and animals which inhabit them. Through dolphin, seal and sea lion demonstrations, visitors learn about the intelligence and natural abilities of these marine mammals. Annually we service more than 50,000 school-aged children who take part in hands-on educational programs which we offer to organized schools and groups.

Site and Program Features: The Aquarium offers daily demonstrations which feature living marine mammals. The animals perform natural behaviors which display their intelligence and abilities. Reserved groups of children and adults participate in "Touch Tank" lessons which feature living marine invertebrates, such as sea stars, horseshoe crabs, lobsters and sea urchins. Feeding displays of our electric eel, Peruvian penguins and seals and sea lions help to educate visitors. More than 42 living exhibits show aquatic animals from around the world and educational graphics help to get the environmental message to children and adults.

Unique Features: The Aquarium of Niagara Falls features indoor and outdoor living exhibits of aquatic life from the world's oceans, coral reefs, lakes, ponds and streams. We feature daily demonstrations featuring our marine mammals and electric eel.

(756)

Ashokan Field Campus

RD 3, Box 216
Kingston, NY 12401
(914) 657-8333
Director: Andrew Angstrom
Operator: College Auxiliary Services

Open to youth groups and the general public. Conference facilities. Open every day. Seasonal changes in schedule. 4 Full-time staff. 372 Acres. Lodging. Fees charged for facility use.

Mission: The Ashokan Field Campus is an outdoor/environmental education center located in the foothills of the Catskill Mountains. Approximately 15 miles west of Kingston and within 100 miles of New York City, its 372 acres contain a great variety of natural habitats and wildlife.

Site and Program Features: The Ashokan Campus has been a pioneer in modern residential outdoor/environmental education since 1967 and has provided tens of thousands of people with valuable learning situations. Students learn by observation, discussion and primarily by experience. Through the use of teachable moments and direct experience in the field, first-hand learning situations become etched strongly in the student's memory. It is important that the Ashokan Experience lasts much longer than a three-day or weekend program and that the methods of learning, as well as the appreciation of the natural world, continue to spark an interest for the rest of the students' lives.

BRONX RIVER
RESTORATION

(757)

Bayard Cutting Arboretum

Box 466
Oakdale, NY 11769
(516) 581-1002
Director: Daniel D. Tompkins
Operator: N.Y State Office of Parks, Rec.

Open to youth groups and the general public. Day programs. Open every day except Monday, Tuesday. Hours: 10-5. Annual budget $100-250,000. 2 Full-time staff. 690 Acres.

(758)

Beaver Lake Nature Center

East Mud Lake Rd.
Baldwinsville, NY 13027
(315) 638-2519

Operator: Onondaga County Parks

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: Dawn to dusk. Annual budget $250-500,000. 4 Full-time staff. 560 Acres. Newsletter.

(759)

Beaver Meadow Audubon Center

1610 Welch Rd.
North Java, NY 14113-9713
(716) 457-3228
Director: David Junkin
Contact: Sandra Burton, Administrative Asst.
Operator: Buffalo Audubon Society Inc.

Open to youth groups and the general public. Day programs. Open every day except Monday. Hours: T-Sat. 10-5; Sun. 1-5. Annual budget $100-250,000. 3 Full-time staff. 324 Acres. Newsletter.

Mission: Beaver Meadow is an environmental education center trying to help people become involved with the outdoors, specifically wildlife (plants and animals). Through guided tours, programs, and activities, we try to involve children K-6 and interested adults, primarily through hands-on experiences.

Site and Program Features: The 324-acre sanctuary includes 5 miles of trails with a large volunteer program to help others learn about nature. The 3 people on staff coordinate and teach in school and on-site.

(760)

Bronx River Restoration Project, Inc.

375 E. Fordham Rd.
Bronx, NY 10458
(212) 933-4079

Director: Nancy Wallace
Operator: Westchester Cnty. & Bronx Parks Depts.

Open to youth groups and the general public. Open every day except Sunday. Hours: 9-5 Closed on major holidays and Federal holidays. Annual budget $100-250,000. 3 Full-time staff. Newsletter.

Mission: Bronx River Restoration is a planning and action organization working to restore the Bronx River as a recreational, cultural, educational and economic resource for the community.

Site and Program Features: When completed, there will be a 20 mile greenbelt and trailway along the river from Westchester County to Long Island Sound. We do not have a center. We operate from an office. We do outreach programs to schools and community groups and bring them to the river for outdoor hands-on learning.

(761)

Brooklyn Botanic Garden

1000 Washington Ave.
Brooklyn, NY 11225
(718) 622-4433 FAX: 718-857-2430

Director: Donald Moore
Contact: Lucy Jones, VP Educ. & Infor. Service

Open to youth groups and the general public. Conference facilities. Day programs. Open every day except Monday. Hours: 8-6; except 10-6 Sat-Sun Oct-Mar 8-4:30 & 10-4:30 Sat-Sun. Closed on major holidays. Annual budget more than $1,000,000. 10 Full-time staff. 52 Acres. Newsletter.

Mission: The goal of our programs that involve youth is to provide opportunities for visitors to have direct experiences with plants and plant environments. Since 1914, BBG has concentrated on hands-on activities for children, including a children's garden. In June, 1989, this tradition will be strengthened by the opening of a Plant Discovery Center.

Site and Program Features: BBG is an oasis of green and calm within a bustling, dirty city where nature's beauty is evident and visitors feel safe. Plants and groups of plants are labeled so that one can learn about the environment while enjoying the aesthetics and tranquillity. Educational programs make use of an expansive systematic collection of woody plants, new conservatories and teaching greenhouses and classrooms.

(762)

The Brooklyn Children's Museum

145 Brooklyn Ave.
Brooklyn, NY 11231
(718) 735-4400 FAX: (718) 604-7442

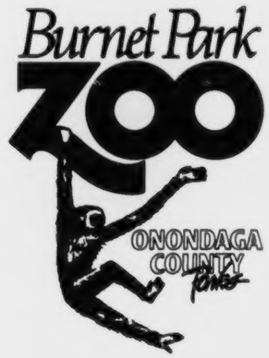
Director: Mindy Duitz
Contact: Craig W. Vitamanti, Dir. of Education

Open to youth groups and the general public. Day programs. Open every day except Tuesday. Hours: M,W-F 2-5; Sat.-Sun., holidays 10-5 Seasonal changes in schedule. 54 Full-time staff. Fees charged for facility use.

Mission: All programs are generated from collection objects or exhibits and encourage visitors to develop an understanding and respect for themselves, their cultural heritage, their environment and the heritage/environment of others. Programs help each visitor make a personal relationship with exhibit concepts and collection objects.

Site and Program Features: We have 1,100 sq. ft. of exhibition space devoted to cultural and natural science topics including a resource library for children. All programs reflect the current exhibitions, both for the general public and school groups through the use of artifacts, specimens and live plants and animals.

Unique Features: We offer an industrial building, urban center adjacent to a neighborhood park.



(763)

Burnet Park Zoo

500 Burnet Park Dr.
Syracuse, NY 13204
(315) 478-8511

Director: Dave Raboy
Contact: Dr. James F. Aiello, Curator of Education
Operator: Onondaga County Parks

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: Summer 10-7 Labor Day - Memorial Day 10-4:30. Annual budget more than $1,000,000. 16 Full-time staff. 36 Acres. Fees charged for facility use. Newsletter.

Mission: The goal of the Burnet Park Zoo is to foster in our visitors a better understanding, appreciation and respect for our planet. An important secondary goal is to develop conservation master plans which combine breeding to increase endangered populations for possible release with educational programs to increase environmental awareness and action.

Site and Program Features: The Burnet Park Zoo is organized according to three major exhibit themes: evolution of life on earth, ecology of North America and human impact on the environment, and people and animals. Exhibits are designed to approximate natural habitats.

(764)

Cayuga Nature Center

1420 Taughannock Blvd.
Ithaca, NY 14850
(607) 273-6260
Director: Marlene Sack
Contact: Dick Taylor, Program Director
Operator: Cayuga Preventorium Inc.

Open to youth groups and the general public. Conference facilities. Day and multi-day programs. Open every day. Annual budget $100-250,000. 6 Full-time staff. 88 Acres. Lodging. Fees charged for facility use. Newsletter.

Mission: Cayuga Nature Center strives to provide outdoor education for people of all ages. Especially important is teaching people about natural processes. This leads to environmental stewardship and heightened responsibility for the world's environment.

Site and Program Features: Cayuga Nature Center specializes in residential experiences in outdoor education and accommodates 100 people. The center is rich in geologic features of glaciation and eroded shale gorges typical of the Finger Lakes region.

(765)

Center for Nature Education

P.O. Box 133
Marcellus, NY 13108
(315) 673-1350
Director: Jack Gramlich

Open to youth groups and the general public. Day programs. Open every day except Sunday. Hours: 9-5 Annual budget $100-250,000. 4 Full-time staff. 3 Part-time staff. 160 Acres. Newsletter.

(766)

Clay Pit Ponds State Park Preserve

NYS Office of Parks, Rec. & Hist. Preservation
83 Nielsen Ave.
Staten Island, NY 10309
(718) 967-1976
Director: John S. Wood
Operator: New York State Office of Parks, Rec. & Historic Preservation

Open to youth groups and the general public. Day programs. Open every day. Hours: 8:30-5:00. Closed on major holidays. Annual budget $50-100,000. 2 Full-time staff. 250 Acres.

Mission: Clay Pit Ponds State Park Preserve is a 250-acre natural area located near the southwest shore of Staten Island. Once the site of a former clay-mining operation, the Park Preserve today contains a mixture of unique habitats such as wetlands, fields, sandy barrens, ponds, and woodlands. As a terminal point for some northern and southern species, the Park Preserve is rich with a variety of plant and animal life. Nature-related programming is offered year-round, free of charge, for families, groups, and individuals.

Site and Program Features: Clay Pit Ponds State Park Preserve is one of three New York State Park Preserves. One mile of nature (foot) trails, including a scenic overlook, plus 2 1/2 miles of horse trails are available for the general public. Events offered include: guided and self-guided nature walks, pond ecology, bird watching, tree and wild flower identification, plus many children's programs.

(767)

Cold Spring Harbor Fish Hatchery and Aquarium

P.O. 535, Rt. 25A
Cold Spring Harbor, NY 11724
(516) 692-6768
Director: Norman Soule

Open to youth groups and the general public. Day programs. Open every day. Hours: 10-5. Annual budget $100-250,000. 4 Full-time staff. 2 Acres. Fees charged for facility use. Newsletter.

Mission: The goal of this facility is to educate the public about the freshwater environments of New York state.

Site and Program Features: This facility is a combination trout hatchery, aquarium, and environmental education center. We presently have the largest live collection of native fish, turtles, and amphibians native to this state of any facility in this state.

(768)

Cornell Laboratory of Ornithology

159 Sapsucker Woods Rd.
Ithaca, NY 14850
(607) 254-2420
Director: Charles Walcott
Contact: Scott Sutcliffe, Dir. of Public Affairs

Open to youth groups and the general public. Conference facilities. Open every day. Hours: M-Th 8-5; F 8-4; Sat-Sun 11:30-5 Closed on major holidays. Annual budget more than $1,000,000. 57 Full-time staff. 200 Acres. Newsletter.

Mission: The Cornell Laboratory of Ornithology is a world center for the study and appreciation of birds. A membership organization, its threefold mission is to monitor bird populations, to record and analyze bird sounds, and to teach people about birds.

Site and Program Features: The Lab's Bird Population Studies division employs a network of volunteer observers to monitor North American bird populations, both for their preservation and to identify changes in their environments. Several programs within Bird Population Studies are cooperative efforts with other scientific and environmental organizations.

The Library of Natural Sounds is the world's largest repository of bird sounds, contributed by a network of amateur and professional Lab affiliates from around the world. The collection includes more than 60,000 individual recordings representing more than half of the world's species. The recordings are invaluable for research in the fields of bird behavior, ecology, and systematics, and are also used extensively for education, especially in the production of records, cassette tapes, and compact discs of bird songs.

CORNELL LABORATORY *of* ORNITHOLOGY
159 SAPSUCKER WOODS ROAD • ITHACA, NY 14850 • (607) 254-BIRD

(769)

Cumming Nature Center

Division of Rochester
Museum & Science Center
6472 Gulick Rd.
Naples, NY 14512
(716) 374-6160 FAX: (716) 271-5935
Director: Ralph Campbell

Open to youth groups and the general public. Day programs. Open every day. Hours: 10/1-5/31: 9-5 7/1-8/31: 10-6. Annual budget $250-500,000. 5 Full-time staff. 900 Acres. Fees charged for facility use. Newsletter.

Mission: The mission of RMSC is to provide, through public education at all levels of the population, a better understanding of the laws of science and nature and their implications for the social evolution of mankind in the past, present, and future.

Site and Program Features: The five theme-oriented trails offer a variety of experiences: a 35-acre beaver pond, a 400-acre forest management area with an operating sawmill, an outdoor art gallery of local wildlife, paintings portraying the history of the Iroquois, and a reconstructed 18th-century homestead. A theater, wildlife art exhibitions, and environment-related displays are housed in the visitors center. Seasonal activities include cross-country skiing, maple sugaring, and Fall Harvest Days.

Unique Features: Our site has a 35-acre beaver pond

(770)

Environmental Centers of Setauket-Smithtown Inc.

Box 257
62 Eckernkamp Dr.
Smithtown, NY 11788
(516) 979-6344
Director: Florence C. Dietz
Contact: Amy Freiman, Naturalist

Open every day. Hours: 9-4; weekends as scheduled Seasonal changes in schedule. Closed on major holidays. Annual budget $25-50,000. 2 Full-time staff. 53 Acres. Newsletter.

Mission: The Environmental Centers of Setauket-Smithtown, Inc.'s (ECSS) goals are the encouragement, through educational programs, of an awareness of the ecological relationships of man and nature, particularly as they exist in Long Island, NY.

Site and Program Features: The Environmental Centers of Setauket-Smithtown, Inc.'s (ECSS) nature preserve contains a river, wetlands, upland woods and fields. Programs take place in the historic Blydenburgh house and barn complex and at other natural area sites on Long Island. Exhibits change seasonally. Education programs specialize in a hands-on approach to the natural history of Long Island.

Unique Features: The nature preserve adjoins the WSRR Nissequogue River and contains wetlands, upland woods and abandoned fields (mowed yearly). Land is owned by The Nature Conservancy and Town of Smithtown.

BROOME COUNTY PARKS & RECREATION

(771)

Finch Hollow Nature Center

1428 Oakdale Rd.
Johnson City, NY 13790
(607) 729-4231
Director: Constance Hart
Operator: Broome County Dept. of Parks & Rec

Open to youth groups and the general public. Day and multi-day programs. Open every day except Sunday. Hours: 8:30-5; except 10-5 Sat. Mem Day to Labor Day by appointment only Closed on major holidays. Annual budget $50-100,000. 2 Full-time staff. 3 Part-time staff. 25 Acres. Newsletter.

Mission: With a singular goal of appreciation of the outdoors, Finch Hollow Nature Center's Nature Interpretive programs promote healthy, non-destructive usage of County parks and other natural areas. Emphasis is placed on working with school children to promulgate appreciation of the natural environment early in life. The area provides an ideal location for learning and is used all year for this purpose.

Site and Program Features: Finch Hollow Nature Center features a large collection of mounted birds and mammals housed in an interpretive natural history museum. A small flood control dam and pond provide an ideal site for nature study, offering three habitats for comparison. The Center is open year-around for studies on birds, mammals, insects, trees, local Indians, and a Map and Compass course. Special programs are available for school and youth groups.

Unique Features: The Nature Center property makes use of a County maintained flood control dam and pond, complete with spillway field.

(772)

Five Rivers Environmental Education Center

Game Farm Rd.
Delmar, NY 12054
(518) 453-1896
Director: Alan Mapes
Contact: Anita Sanchez, Environmental Educator
Operator: New York State DEC

Open to youth groups and the general public. Day programs. Open every day except Sunday. Hours: 9-4:30 Summer: Sun. 1-5. Annual budget $100-250,000. 5 Full-time staff. 260 Acres. Newsletter.

Mission: Five Rivers Environmental Education Center offers people of all ages learning experiences which promote awareness, appreciation and knowledge of New York State's environment.

Site and Program Features: The center's 260 acres consist of ponds, streams, forests and abandoned orchards and fields. A variety of plant life thrives here, and diverse habitats attract many forms of wildlife, including more than 140 species of birds. Our other asset is our knowledgeable and personable staff and our loyal body of volunteers.

(773)

Frost Valley Environmental Education Center

Box 97
Oliverea, NY 12462
(914) 985-2291
Director: John Haskin

Open to youth groups and the general public. Conference facilities. Multi-day programs. Open every day. Annual budget more than $1,000,000. 14 Full-time staff. 4500 Acres. Lodging. Fees charged for facility use. Newsletter.

Mission: The Center will provide learning experiences designed to guide participants towards: an understanding of the unique ecology and natural resources of the Catskill region; an understanding of the human processes of managing, conserving, and consuming natural resources; an exposure to skills that encourage the low impact use of natural areas, to lifetime sports that foster a healthy lifestyle, and to activities that inculcate a positive stewardship towards the natural environment; an awareness of the responsibility as citizens to acquire knowledge of environmental issues and the necessity of becoming involved in the policy making process influencing these issues.

(774)

Garvies Point Museum and Preserve

Barry Drive
Glen Cove, NY 11542
(516) 671-0300
Director: Edward J. Smits
Contact: Kathryne Natale, Curator

Open to youth groups and the general public. Day programs. Open every day. Hours: M-F 8-dusk; Sat.-Sun. 9-dusk (Preserve). (Museum) 9-4:45 daily Closed on major holidays. 7 Full-time staff. 62 Acres. Newsletter.

Mission: Our mission is to provide opportunities for the public to appreciate the scenic, scientific, cultural and physical recreation aspects of the site through interpretation and other appropriate use of preserve resources.

Site and Program Features: We offer a high-quality program in various subject areas to a cross-section of the public, using primarily hands-on approaches.

Unique Features: Our site has deposits of Cretaceous clays with lignite and pyrite deposits; Cretaceous plant fossils overlain by glacial till deposits.

(775)

Gateway Environmental Study Center

Floyd Bennett Field
Brooklyn, NY 11234
(718) 252-7307
Director: Ruth Eilenberg

Open to youth groups. Day programs. Open every day except Saturday, Sunday. Hours: 9-5. Annual budget $50-100,000. 1 Full-time staff. 26,000 Acres. Camping. Newsletter.

Mission: Programs for teachers and students encourage urban dwellers to value open space, to understand natural systems and to take an active role as stewards of the environment.

Site and Program Features: Gateway Environmental Study Center is an example of a local and federal agency working together to offer environmental education experiences to an urban school population. Gateway National Recreation Area's beaches, bays, dunes, woode uplands and grassy fields provide a 26,000-acre outdoor classroom to explore.

(776)

Great Neck Outdoor Educ. Ctr.

345 Lakeville Rd.
Great Neck, NY 11020
(516) 773-1463
Director: Robert Abrams

Open to youth groups and the general public. Day programs. Open every day except Saturday, Sunday. Hours: 8-4:30. Closed on major holidays. Annual budget more than $1,000,000. 2 Full-time staff. 110 Acres. Camping.

Mission: Our mission is to give the children of the community a set of outdoor living laboratory experiences related to natural environments. This is followed by classroom discussion and activities integrating environmental issues into the regular curriculum.

Site and Program Features: A major study area is a pristine forest with 14 acres of trails on this 110-acre site. There is also a 58-acre salt marsh estuary study area introducing the marine environment, as well as boat trips onto Long Island Sound.

(777)

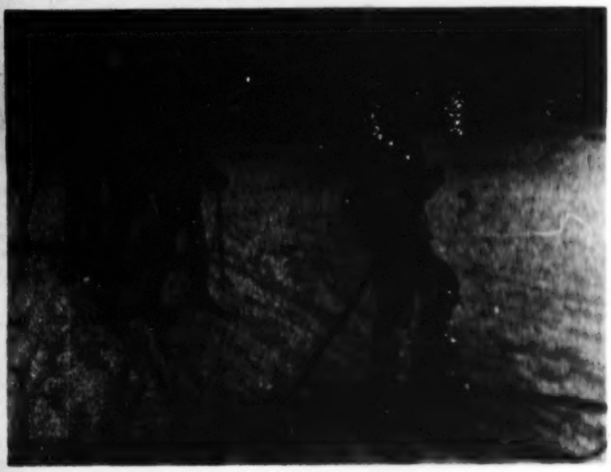
Greenburgh Nature Center

Dromore Rd.
Scarsdale, NY 10583
(914) 723-3470
Director: William Lawyer
Operator: Town of Greenburgh

Open to youth groups and the general public. Day programs. Open every day except Friday. Hours: 10-5. Closed on major holidays. Annual budget $250-500,000. 5 Full-time staff. 33 Acres. Newsletter.

Mission: Our mission is four-fold: 1) conservation of our 33 acre property, the historic character of its buildings, and local wildlife; 2) education about nature and ecology, provided for all segments of our service area population; 3) research by high school, college, and graduate students on natural history and environmental subjects; and, 4) cultural enrichment activities that will increase our visitors' appreciation of nature.

Site and Program Features: Our special features include nearly 33 acres of woods, lawns, gardens, orchard, and pond – adjacent to a developed, suburban setting. And, a 21 room, rustic manor house which has been renovated to offer a "hands-on" discovery room, a live animal museum with nearly 150 specimens, classrooms, and a greenhouse. The strength of our program is the ability of our staff to utilize these special features to provide exciting learning opportunities for all ages.



(778)

Greenkill Outdoor Envir. Education Center

YMCA of Greater NY
Hugvenat, NY 12746
(914) 856-4382
Director: Nancy Reichert
Operator: YMCA Camping Serv of Greater NY

Open to youth groups. Conference facilities. Multi-day programs. Open every day. Not available Jun 16-Aug 31. Annual budget $500K-1,000,000. 4 Full-time staff. 1000 Acres. Lodging. Fees charged for facility use.

Mission: Greenkill Outdoor Environmental Education Center provides hands-on environmental experiences in a residential setting. Our goal is to provide opportunity to cultivate awareness, appreciation and concern for the environment while learning to live responsibly for the welfare of the total group through cooperative activities.

Site and Program Features: Greenkill hosts a fully staffed program with a ratio of 1 naturalist per 10 students. Our facilities are completely modern, carpeted, winterized dorms, each with a capacity of 40. Private adult housing is available, a double full court sport center, and miles of trails in a beautiful woodland setting.

Unique Features: Our site features 1000 acres of forested hills crisscrossed with trails and streams; valley views, 2 large ponds and a glacial lake.

(779)

Hicksville Gregory Museum

Heitz Place
Hicksville, NY 11801
(516) 822-7505
Contact: Hugh Conover, Pres., Board of Trustees

Open to youth groups and the general public. Day programs. Open every day except Monday. Hours: 9:30-4:30 (Tues-Fri); 1:00-5:00 (Sat-Sun). Closed on major holidays. Annual budget $50-100,000. 1 Full-time staff. Fees charged for facility use. Newsletter.

Mission: The Hicksville Gregory Museum is dedicated to the education of the public in all aspects of the earth sciences, and to making the public aware of how and why they must preserve and protect their limited local natural resources.

Site and Program Features: The Gregory Museum is located in the Heitz Place Courthouse, a national historic site. The intimate setting allows visitors the chance to absorb information without being overwhelmed. Our worldwide collection of minerals includes a special display of fluorescent specimens.

Cross-country skiing is a favorite winter sport at many northern nature centers. Photo courtesy of Greenkill Outdoor Environmental Education Center.

(780)

Hoyt Farm Park-Preserve

New Highway
Commack, NY 11725
(516) 543-7804
Director: Robert Giffen
Contact: Terry Goodenough
Operator: Town of Smithtown

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: 8-dusk Annual budget $100-250,000. 3 Full-time staff. 136 Acres. Newsletter.

Mission: To teach children and adults about the world in which we live, and to preserve some of our natural heritage.

Site and Program Features: Hoyt Farm Park and Preserve is special because it is a multi-use facility in the heart of an overpopulated suburban landscape. It is a park, preserve and a farm all rolled into a dynamic education facility.

(781)

Institute of Ecosystem Studies

Box AB
Millbrook, NY 12545
(914) 677-5343 FAX: (914) 677-5976
Director: Dr. Gene E. Likens
Contact: Dr. Alan Berkowitz, Head of Ed.
Operator: The New York Botanical Garden

Open to youth groups and the general public. Day programs. Open every day. Hours: M-Sat. 9-4; Sun. 1-4 Seasonal changes in schedule. Closed on major holidays. Annual budget $250-500,000. 4 Full-time staff. 1924 Acres. Newsletter.

Mission: (1) To do ecological research relevant to the understanding of natural ecosystems; (2) to establish and maintain long-term studies of ecosystems; and (3) to provide education and promote broader awareness about the importance of ecological relationships to human welfare.

Site and Program Features: Special features: A variety of topographic conditions and habitats is available for study, including deciduous and mixed conifer forests, wetlands, floodplains, old fields, and introduced plant collections. Strengths: Building on the best of ecological research and educational innovation, IES programs foster ecological literacy in a broad diversity of audiences: school children and their teachers, college students, environmental professionals and the general public. Ecology is presented as a modern, developing science, with an important role to play in helping to manage natural ecosystems, in formulating public policy, and in training minds of all ages. In addition, courses and workshops apply ecology to practical concerns such as horticulture and landscape design, management and protection.

(782)

The George Landis Arboretum

Box 186, Lape Rd.
Esperance, NY 12066
(518) 875-6935
Director: Pamela Rowling

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: Dawn till dusk. No programs December - March. Annual budget $25-50,000. 1 Full-time staff. 98 Acres. Newsletter.

Mission: To grow in our plantations as many trees, shrubs and herbaceous plants that may be of value for our severe climatic zone. To accurately identify and evaluate these plants. To develop hardy cultivars of desirable species. To disseminate information gathered to the general and scientific communities through program offerings, publications and display plantings.

Site and Program Features: The George Landis Arboretum special features are both geographical and botanical. Located on the eastern slopes of the Schoharie Creek in Esperance, NY, the physical layout offers some of the most dramatic views of the surrounding countryside and the distant Adirondacks to be found. The plantings include approximately 50 acres devoted to cultivated material and 20 to native vegetation, labeled.

(783)

Madden Outdoor Ed. Center

Putnam/Westchester BOCES
Pines Bridge Rd.
Yorktown Heights, NY 10598
(914) 245-2700, Ext. 335
Contact: Dorna L. Schroeter, Coordinator

Open to youth groups. Conference facilities. Day and multi-day programs. Open every day. Hours: 8:30-2:30 Closed on major holidays. Annual budget $250-500,000. 2 Full-time staff. 120 Acres. Lodging. Camping. Newsletter.

Mission: To guide young people toward an awareness of and respect for the natural environment, and to foster in them an understanding of their role in the stewardship of our earth.

Site and Program Features: We are owned an operated by the 18 school districts in two counties. We offer programs both at our site and at the individual school sites as well. Once a district "buys into" the program, every teacher and administrator is entitled to utilize our services.

Unique Features: Unique features include a 150-year-old cemetery.

(784)

Manitoga, Inc.

Box 350
Garrison, NY 10524
(914) 424-3812
Director: James L. Horend

Open to youth groups and the general public. Day and multi-day programs. Open every day. Hours: M-F 9-4; Sat.-Sun. 10-6 Closed 10/31-4/15 on weekends. Closed on major holidays. Annual budget $100-250,000. 3 Full-time staff. 80 Acres. Fees charged for facility use. Newsletter.

Unique Features: We feature the former estate of industrial designer Russel Wright.

(785)

Mendon Ponds Visitor Center

Clover & Pond Rds.
Honeoye Falls, NY 14472
(716) 334-3780
Director: Dean David Spong
Contact: Karen Pugh, Superintendent of Programs
Operator: Monroe County Parks Dept.

Open to youth groups and the general public. Day programs. Open every day except Monday, Tuesday. Hours: 12-4:30. Closed on major holidays. Annual budget $50-100,000. 1 Full-time staff. 500 Acres.

Mission: The Mendon Ponds Park Visitor Center serves as an orientation center to the natural history of this 2,500-acre National Natural Landmark Park in upstate New York. The park's special features are its glacial formations and related plant communities. Our goal is to interpret these features as well as present environmental information and nature appreciation opportunities to park visitors and scheduled school groups.

Unique Features: Mendon Ponds Park in on the National Natural History Landmark Register for its significant geologic features.

(786)

Minna Anthony Common Nature Center

Wellesley Island State Park
Rd #1, Box W437
Alexandria Bay, NY 13607
(315) 482-2479
Director: Robert Wakefield

Open to youth groups and the general public. Day programs. Open every day. Annual budget $100-250,000. 3 Full-time staff. 600 Acres. Camping. Fees charged for facility use. Newsletter.

Mission: Our goal is to provide environmental interpretation for the Thousand Islands Region and to foster conservation values for the environment; to provide interpretive, recreational, historical and cultural programs to NY State Park visitors and the surrounding communities.

Site and Program Features: M.A.C. Nature Center is situated on a peninsula, part sandstone plateau and part pre-cambrian rocky knobs and valleys with wetlands or second growth maple and oak forests and surrounded by 3 miles of rocky shoreline or marsh in the heart of the St. Lawrence River's Thousand Islands. As part of Wellesley Island State Park, much of its program emphasis serves family campers in the summer and the local communities throughout the year.

(787)

Museum of the Hudson Highlands

The Boulevard
Cornwall-on-Hudson, NY 12520
(914) 534-7781
Director: Chuck Keene
Contact: Susan Brander, Dir. of Operations

Open to youth groups and the general public. Conference facilities. Day programs. Open every day except Friday. Hours: Summer: 12-5 Winter: M-Th 2-5 Annual budget $100-250,000. 1 Full-time staff. 43 Acres. Fees charged for facility use. Newsletter.

Mission: We are a natural history and art museum housed in a rustic building at the base of Storm King Mountain. The theme of the exhibits is habitat protection. Live animals, as well as taxidermic mounts, are utilized. Facilities include interpretive exhibits, an art gallery, and a nature trail.

Site and Program Features: The museum's primary purpose is to provide visitors with a better understanding of the natural history of the Hudson Highlands.

(788)

Pember Museum of Natural History Hebron Nature Preserve

33 W. Main St.
Granville, NY 12832
(518) 642-1515
Director: Delight Gartlein
Operator: Village of Granville

Open to youth groups and the general public. Day programs. Open every day except Monday, Sunday. Hours: T-F 1-5; Sat. 10-3. Annual budget $25-50,000. 1 Full-time staff. 125 Acres. Newsletter.

Mission: The Pember Museum of Natural History provides programs in natural science and environmental education to schools and youth groups in Warren, Washington, and nearby counties in this state and Vermont. The museum's purpose is to foster an understanding and appreciation of the natural world, and of our historic collection and museum building.

Site and Program Features: The museum collection is housed in a lovely, historic building and the collection is displayed in exhibits (cases) depicting the era in which the museum was begun, formally chartered in 1909. Because the museum has the ability to carry out programs both indoors and outdoors, the learning for the participants is greatly enhanced. The programming is extensive for the size of the staff.

Unique Features: Habitat description is for the Museum's Hebron Nature Preserve, which is approximately eight miles south of the museum on South Grimes Rd., off Rt. 22, in the town of Hebron.

(789)

Roger Tory Peterson Nature Center

Jamestown Audubon Society
RD 5, Riverside Rd.
Jamestown, NY 14701
(716) 569-2345
Director: James A. Yaich

Open to youth groups and the general public. Conference facilities. Day and multi-day programs. Open every day except Monday. Hours: T-Sat. 10-5; Sun. 1-5. Closed on major holidays. Annual budget $100-250,000. 3 Full-time staff. 600 Acres. Newsletter.

Mission: Our mission is to provide a wide range on- and off-site educational experiences that people of all ages and backgrounds will become more aware, knowledgeable, and concerned about our natural environment.

Site and Program Features: The greatest strength of our program is its high level of integration with the New York State public school syllabus. Our programs reach every elementary school in a 3-county area, either through visits to our center or lessons presented in the school classrooms.

(790)

Petrified Creature Museum of Natural History

RD #2, Rt 20
Richfield Springs, NY 13439
(315) 858-2868
Director: John R. Mlecz

Open to youth groups and the general public. Day programs. 6 Acres.

Mission: To teach the general public about past life on this planet 300,000,000 + years ago, and offer them the opportunity to excavate their own fossil. The staff helps identify their find. The museum has been in operation 55 years. We are located near the Baseball Hall of Fame in Cooperstown, NY.

Site and Program Features: We are a field museum operating seasonally.

(791)

Pok-O-MacCready Outdoor Education Center

Box 289, Mountain Rd.
Willsboro, NY 12996
(518) 963-7967
Director: Jack Swan

Open to youth groups. Conference facilities. Day and multi-day programs. Open every day. Hours: 8:30-5. Seasonal changes in schedule. 6 Full-time staff. 400 Acres. Lodging. Fees charged for facility use. Newsletter.

Mission: We believe it is important to utilize our natural environment to provide fun, hands-on learning experiences, allowing for personal growth and promoting group cohesiveness.

Site and Program Features: Pok-O-MacCready is located within the beautiful Adirondack Park near Lake Champlain, providing us with a bounty of mountains, forests, rivers and lakes to utilize for environmental, science and recreational programs. We also have an 1812 homestead where hands-on learning of pioneering skills lends a historical aspect to our center. Our main curriculum is designed for school groups and "at-risk" youth.

(792)

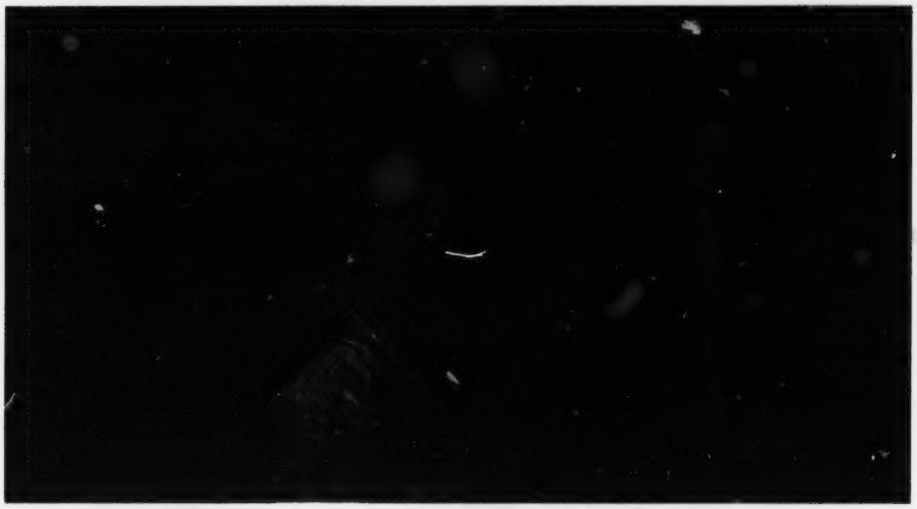
Wilson M. Powell Wildlife Sanctuary

c/o Alan Devoe Bird Club
P.O. Box 20
Chatham, NY 12037
Operator: Alan Devoe Bird Club

Open to youth groups and the general public. Day programs. Open every day. Hours: Sunrise to sunset. Annual budget less than $10,000. 150 Acres. Newsletter.

Mission: Our mission is to promote the study and enjoyment of birds and other wildlife, both plant and animal, and to encourage the conservation of natural resources.

Site and Program Features: Special features include 150 acres of mixed woodland with marsh, pond and grassland. Westward-facing 980' cliff offers 180' view of the Catskills and Hudson River Valley. We also have self-guided nature trails.



A couple of youngsters are on their own to do some pond life research at Roger Tory Peterson Nature Center.

(793)

Presbyterian Center at Holmes

183 Denton Lake Rd.
Holmes, NY 12531- 9706
(914) 878-6383
Director: Rev. Donald Hostetter

Open to youth groups and the general public. Conference facilities. Day and multi-day programs. Open every day. Hours: 9-5. Annual budget $500K-1,000,000. 3 Full-time staff. 530 Acres. Lodging. Camping. Fees charged for facility use. Newsletter.

Mission: Our goals are to create personal growth of individuals, both youth and adult; to create linkages and networks that will provide a supportive environment at home; to promote basic motivation and environment for ethical approach to life; to promote faith development for an optimistic view of life.

Site and Program Features: The three lakes with dispersed structures and many trails on a hilly terrain make for exciting vistas, experiences, and adventures. Disabled populations are always present so interaction is a must for all persons. Caring is the style of service for the entire facility where all individuals are important. Environmental issues and outdoor learning skills are central.

Unique Features: The Center contains 530 acres of rolling land with 3 ponds (2 with waterfronts). There is easy access to Interstate Hwy. and commuter trains from New York City.

(794)

Prospect Park Environmental Center

The Tennis House, Prospect Park
Brooklyn, NY 11215
(718) 788-8500
Director: John C. Muir

Open to youth groups and the general public. Day programs. Open every day. Hours: M-F 8:30-5:30; Sat.-Sun. varies. Seasonal changes in schedule. Closed on major holidays. Annual budget $500K-1,000,000. 11 Full-time staff. 526 Acres. Newsletter.

Mission: Prospect Park Environmental Center (name to be changed to Brooklyn Center for the Urban Environment in 1990) is a not-for-profit organization founded in 1978 "to celebrate the urban environment, by exploring its nature, appreciating its architecture, conserving its history and discovering its future." Special focus is on Brooklyn, "the 4th largest city in the United States," and on elementary and junior-high groups. Featured in the Winter 1989 issue of Natural Science Center News.

Site and Program Features: PPEC is housed in the landmark Tennis House in Prospect Park, Brooklyn's great 19th-century landscaped park (by Olmsted and Vaux), and surrounded by 19th- and turn-of-the-century neighborhoods. Special program strengths: built environment education, urban history, nature study, harbor study, and neighborhood study.

Unique Features: The site, Prospect Park, is a 19th-century landscaped urban park designed by Olmsted and Vaux. The terminal morraine of the Wisconsin glaciation lies across the park, hence kettle hole ponds, boulders, etc.

(795)

Putnam/Northern Westchester BOCES

Pinesbridge Rd.
Yorktown Heights, NY 10598
(914) 245-2700 FAX: (914) 245-4540
Director: Dorna L. Schroeter

Open to youth groups. Conference facilities. Day programs. Open every day except Saturday, Sunday. Hours: 8:30-3 Follow school scheudle Closed on major holidays. Open to youth groups. Conference facilities. Annual budget $250-500,000. 2 Full-time staff. 120 Acres. Lodging. Newsletter.

Mission: Our mission is to guide young people toward an awareness of, and respect for, the natural environment and to foster in them an understanding of their role in the stewardship of our earth.

Site and Program Features: We are owned and operated by the schools so we service the schools directly. Once a district subscribes to our program, teachers are entitled to use all our services without additional fees. This results in extensive use by our teachers. In addition to our facility, we offer nine very popular school-site programs which take place in the classroom. Our program newsletter goes to every teacher in the 18 school districts providing us with an excellent mode of communication.

(796)

Queens Botanical Garden

43-50 Main St.
Flushing, NY 11355
(718) 886-3800
Director: Susan Lamb
Contact: Doris Meyer, Dir. for External Affairs

Open to youth groups and the general public. Day programs. Open every day. Hours: 9-dusk. Seasonal changes in schedule. Annual budget more than $1,000,000. 5 Full-time staff. 38 Acres. Newsletter.

Mission: The Queens Botanical Garden provides recreational, formal and informal educational opportunities to all its visitors. Display gardens serve as model gardens for backyard gardeners. Teaching gardens serve to illustrate various botanical and environmental lessons for school classes as well as casual garden visitors. Displays of seasonal flowers, such as roses and tulips are appreciated for their beauty by many garden visitors.

Site and Program Features: The Queens Botanical Garden includes a 20-acre Arboretum and 18 acres of cultivated gardens. The cultivated gardens include the largest rose garden in the northeast, a bird, bee, woodland, ethnic, All-American garden. Major seasonal displays of Cherry blossoms, tulips, and iris; also European-style, intricately patterned display gardens of annuals can be seen from June to frost. A 2-acre Victorian-style Wedding Garden can be rented for wedding ceremonies and small outdoor parties.

(797)

Queens College Center for Environmental Research & Teaching

Q.C.C. Caumrett Pk.
RR #1, Box 205B
Huntington, NY 11743
Director: Dr. Philip White
Contact: Peter Schmidt, Assist. Dir.

Open to youth groups and the general public. Conference facilities. Day and multi-day programs. Open every day. Seasonal changes in schedule. Annual budget $250-500,000. 10 Full-time staff. 1600 Acres. Lodging. Camping.

(798)

Rensselaer County Jr. Museum

282 Fifth Ave.
Troy, NY 12182
(518) 235-2120
Director: Ralph Pascale
Contact: Margo Olson, Education Coordinator

Open to youth groups and the general public. Day programs. Open every day. Hours: Sat-Wed. 1-5 Closed on major holidays. Annual budget $250-500,000. 6 Full-time staff. Newsletter.

Mission: The Junior Museum has been serving the children of the Capital District for the last 34 years, specializing in exciting and interactive children's programs and exhibits. Educational programs are drawn from the varied array of exhibits on science, history and the arts, including live animals, marine and freshwater aquariums, a planetarium, a reproduction of an 1850's log cabin, and a natural history diorama of a Beaver Pond.

(799)

Roberson Center Planetarium/ Observatory

30 Front St.
Binghamton, NY 13905
(607) 772-0660
Director: Robert Aber
Contact: Jay Sarton, Science Director

Open to youth groups and the general public. Conference facilities. Day programs. Open every day except Monday. Hours: 10-5; except 10-9 Fri. Closed on major holidays. Annual budget more than $1,000,000. 10 Full-time staff. 6 Acres. Newsletter.

Mission: Roberson-Kopernik science programs encourage visitor participation in scientific investigations. While the planetarium simulates the universe, the observatory demonstrates space science first-hand with state of the art technology. We seek to make visitors more aware of their place in the cosmos.

Site and Program Features: Roberson's combination of a major planetarium and a professional observatory in the same region is unique. Our programs in earth science and space science have been recognized by the National Science Foundation, the N.Y. State Education Dept. and various universities.

(800)

Rockland Lake Nature Center

Palisades Interstate Park Comm.
Bear Mountain, NY 10911
(914) 268-2503
Contact: Jack Focht, Dir. Trailside Museum

Open to youth groups and the general public. Day programs. Open every day. Hours: 9-4:45 Open Memorial Day to Labor Day. 2 Full-time staff. Fees charged for facility use.

North American Association for Environmental Education

The North American Association for Environmental Education is one of several organizations available to help the natural science center professional (see Appendix B).

(801)

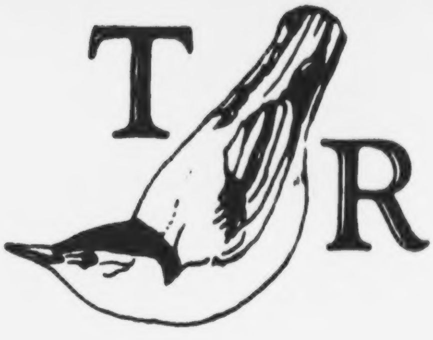
Rogers Environmental Education Center

PO Box 716, Route 80
West Sherburne, NY 13460-0716
(607) 674-4017
Director: Marsha Guzewich
Operator: NY State Dept. Envir. Conservation

Open to youth groups and the general public. Day programs. Open every day. Hours: 8:30-4:45; except 1-4:45 Sa-Su Closed Sat. in Dec. Closed on major holidays. 5 Part-time staff. 571 Acres. Camping.

Mission: The staff provides supplemental educational experiences for school groups, conducts interpretive experiences for adult family and specialized groups, and trains teachers and youth leaders in content and methods of environmental education and interpretation. All programs focus on natural sciences and ecology, natural resource management, environmental quality management, and the agency goals related to these components of the environment.

Site and Program Features: Rogers Center is located in a rural area. The 571 acres include rolling hillsides, river bank, wetlands, field, forest, and thicket. The trail system goes through this diversity of habitats. The Interpretive Building, with a natural sound collecting system, overlooks a marsh. Programs are hands-on and participatory.



(802)

Theodore Roosevelt Sanctuary Inc.

134 Cove Rd.
Oyster Bay, NY 11771
(516) 922-3200
Director: William Kolodnicki
Operator: National Audubon Society

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: 9-5. Annual budget $100-250,000. 3 Full-time staff. 12 Acres. Newsletter.

Mission: The Sanctuary serves as a memorial to Theodore Roosevelt. It surrounds his grave with a bird sanctuary and an environmental education program which promotes the ideals of conservation T.R. stood for. Wildlife preservation and conservation education in the region of N.Y. are our goals.

Site and Program Features: The Sanctuary is an upland woodland which is on the coast of Long Island. It is in close proximity of most Long Island habitats.

Unique Features: The Sanctuary surrounds the grave of Theodore Roosevelt and was dedicated to serve as an everlasting tribute to him.

(803)

Rye Nature Center

873 Boston Post Rd.
PO Box 435
Rye, NY 10580
(914) 967-1549
Director: Tracy Kay
Operator: City of Rye

Open to youth groups and the general public. Day programs. Open every day except Sunday. Hours: 10-4 Closed on major holidays. Annual budget $100-250,000. 3 Full-time staff. 47 Acres. Newsletter.

Mission: The Rye Nature Center is operated to help people develop an awareness of nature. The Center seeks to maintain a native landscape and to provide an outdoor laboratory; a "Land for Learning." Experience gained through participation in the center's programs, or through the use of its resource library and other facilities, provides users with valuable information for formulating opinions and making wise decisions on matters of environmental concern.

Site and Program Features: The Rye Nature Center is a 47-acre natural area comprised of forest field, pond and stream habitats. The center is a "hot spot" for warblers during spring and fall migrations. Programs are offered on a variety of natural history topics and for diverse audiences.

(804)

Sands Point Preserve

95 Middleneck Rd.
Port Washington, NY 11050
(516) 883-1610
Director: Edward J. Smits
Contact: Ronald Wyatt, Facility Supervisor
Operator: Nassau County Dept. of Rec. & Parks

Open to youth groups and the general public. Day programs. Open every day except Thursday, Friday. Hours: 9:30-4:30 Seasonal changes in schedule. Closed on major holidays. Annual budget $500K-1,000,000. 7 Full-time staff. 210 Acres. Camping. Fees charged for facility use.

Mission: Our mission is to preserve and interpret a former Long Island "Gold Coast" estate, its historical buildings, and its natural areas.

Site and Program Features: Our site features awe-inspiring castellated buildings of former estate; and a rich diversity of natural areas from coastal beach to upland woods.

(805)

Schoellkopf Geological Museum

Niagara Frontier State Parks
Prospect Park Niagara Reservation
Niagara Falls, NY 14303
(716) 278-1780
Director: Barry Virgilio
Operator: New York State Parks, Niagara Region

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: 9:30 am-7:00 pm Memorial Day-Labor Day Labor Day-10/31, 10-5 Closed on major holidays and Closed Mondays & Tuesdays 11/1-Mem. Day Annual budget $25-50,000. 4 Full-time staff. Fees charged for facility use. Newsletter.

Mission: The goals of the Schoellkopf Geological Museum are to provide park-interpretive exhibits and services on geology, local history, natural history and current environmental issues. This information would be available to school groups, local populations, special-interest groups and park visitors in general.

Site and Program Features: The museum itself is spiral-shaped, depicting a water turbine (on former site of the Schoellkopf Power Generating Station). The site contains a rock garden of various gorge strata, overlook of the Niagara River, and the beginning of the Upper Gorge Trail. The museum's programs are provided year-round at no cost with a variety of interest and topics.

Unique Features: The museum area overlooks the Niagara Gorge with views of Niagara Falls. The museum overlook is part of an elevator shaft from old Schoellkopf Power Station destroyed in 1956 rockslide.

(806)

Sci-Tech Center

155 Arsenal St.
Watertown, NY 13601
(315) 788-1340
Director: Susan Snell

Open to youth groups and the general public. Day programs. Open every day except Monday, Sunday. Hours: 10-4 Open Jul-Aug 10:00-4:00 M-F. Annual budget $25-50,000. 2 Part-time staff. Newsletter.

Mission: We are a hands-on museum dedicated to science and technology. We have 25 exhibits designed for various ages. We want children and adults to become comfortable with science and discover that it can be fun.

Site and Program Features: Our site is 7800 sq. ft. in a renovated warehouse. We have an active preschool program and teen program. We offer free science workshops to the public over school vacations, year round. We offer tours to school groups, scout groups, etc.

(807)

Seneca Park Zoo

2222 St. Paul St.
Rochester, NY 14621-1097
(716) 266-6846 or 6591
Director: Daniel Michalowski
Operator: County of Monroe, Dept. of Parks

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: Winter 10-5; Summer, M-F 10-5; S-S 10-7 Seasonal changes in schedule. Annual budget more than $1,000,000. 4 Full-time staff. 300 Acres. Fees charged for facility use. Newsletter.

Mission: Seneca Park Zoo is dedicated as a stimulating factor to a county-wide program of providing a learning resource for the public and staff, a breeding and survival center for wildlife, a wildlife research center, a community resource and cultural enrichment/recreational facility for the family unit.

Site and Program Features: Prime exhibition is of cold climate (live animal species, e.g., snow leopards, Siberian tigers, reindeer, arctic Fox, etc.). Other features include a large indoor free-flight bird exhibition. Seneca Park has excellent trails for Seneca Indian lore and nature study.

If raptors could talk, they'd help us to better understand their role in the web of life; as it is, it's up to falconers to do the job. Photo by Ray Egan.

(808)

Springdale Farm

696 Colby St.
Spencerport, NY 14559
(716) 352-5320
Director: Dean David Spong
Contact: Karen Pugh, Supt. of Programs
Operator: Monroe County Parks Dept.

Open to youth groups and the general public. Open every day. Closed on major holidays. Annual budget $100-250,000. 2 Full-time staff. 120 Acres.

Mission: Springdale Farm is an educational farm serving to interpret farming practices and the importance of agriculture. Primary visitation is by scheduled school and other youth groups taking staff guided tours. The concentration is on agriculture as seen in Monroe County, New York. Our programs are presented through tours, classes, special theme events, display animals and demonstration gardens and crops.

Site and Program Features: Springdale Farm is a former family operated farm with architecturally significant barns and farmhouse. The original buildings date from the mid-1800s and reflect continuous farm use to the present day.

(809)

Stony Kill Farm Environmental Education Center

Rt. 9D
Wappingers Falls, NY 12590
(914) 831-8780
Director: Herb Eschbach
Operator: New York State Dept. of Env. Conserv.

Open to youth groups and the general public. Day programs. Open every day. Hours: 8:30-4:45 Closed on major holidays. Annual budget $100-250,000. 5 Full-time staff. 750 Acres.

Mission: (1) To provide education experiences that supplement existing school curricula and youth group programs; (2) conduct interpretive activities for adult and specialized groups; and (3) train teachers and adult leaders in content and methods of environmental education and interpretation.

Site and Program Features: Special features include National Register of Historic Places, working farm for educational use, community garden plots, and raised garden beds for the handicapped.

(810)

Tackapausha Museum & Preserve

Washington Ave.
Seaford, NY 11783
(516) 785-2802
Director: Edward J. Smits
Contact: Richard D. Ryder, Curator II
Operator: County of Nassau

Open to youth groups and the general public. Day programs. Open every day. Hours: 9:30-4:45. Annual budget $100-250,000. 6 Full-time staff. 80 Acres. Newsletter.

Mission: Our primary mission is to bring about a better understanding of the ecology and natural history of Long Island for local school children and the public.

Site and Program Features: Tackapausha Preserve is a red maple-white oak swamp forest with a small stand of Atlantic white cedars. This feature, plus our live animal display, enables us to make our visitors more aware of the environment and their place in it.

Unique Features: Tackapausha Preserve consists of approximately 80 acres of glacial outwash plain. Seaford Creek flows through the center of the preserve and exits through a small (but the largest remaining in Nassau County) stand of Atlantic White Cedar.

(811)

Tanglewood Community Nature Center

Box 117, West Hill Rd.
Elmira, NY 14902
(607) 732-6060
Director: William Ostrander

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: M-Sat. 10-4; Sun. 2-4. Annual budget $25-50,000. 1 Full-time staff. 70 Acres. Newsletter.

Mission: The mission of Tanglewood Community Nature Center is to increase the appreciation, awareness and understanding that the residents of nearby communities have for their environment.

Site and Program Features: A special feature of our site is its location within a relatively large, child-planted forest; the result of an early conservation effort of the 1920s and 1930s. This allows special emphasis to be placed upon the importance and far-reaching effects of man's interactions with his environment.

(812)

Teatown Lake Reservation

Spring Valley Rd.
Ossining, NY 10562
(914) 762-2912
Director: Steve Coleman

Open to youth groups and the general public. Conference facilities. Day programs. Open every day except Monday. Hours: T-Sat. 9-5; Sun. 1-5 Closed on major holidays. Annual budget $250-500,000. 4 Full-time staff. 500 Acres. Newsletter.

Mission: Teatown Lake Reservation is a not-for-profit educational center and nature preserve dedicated to increasing awareness and understanding of our natural world. Our two major goals are (1) land preservation and (2) education.

Site and Program Features: We work with all ages, all seasons. Annually 5000+ school children, sequential programs beginning at age 2 to seniors. Family and adult programs, model training center for volunteer naturalists. Two-acre native wildflower island, animal exhibits and farm operation, 33-acre lake, near New York metropolitan area.

Unique Features: 33-acre lake, 2-acre native wildflower island, hemlock ravines.

A well-planned exhibit can go a long way toward helping people to understand complex ecological relationships. Photo courtesy of the Academy of Natural Sciences of Philadelphia.

(813)

Tifft Nature Preserve

1200 Fuhrmann Blvd.
Buffalo, NY 14203
(716) 896-5200
Director: Shirley Landsittel
Operator: Buffalo Society of Natural Sciences

Open to youth groups and the general public. Day programs. Open every day. Hours: 9/1-3/31, 9-5 4/1-8/31, closed Monday Closed on major holidays. Annual budget $100-250,000. 3 Full-time staff. 264 Acres.

Mission: A permanent, natural area dedicated to conservation and education. This urban preserve offers visitors opportunities to examine and enjoy the natural world.

Site and Program Features: A 75-acre cattail marsh is an important resource in the preserve, offering habitat to many aquatic plants and water birds. Tifft Nature Preserve is a significant coastal fish and wildlife habitat. This urban nature preserve is a good example of rehabilitating land.

Unique Features: The site includes a 75 acre cattail marsh and a landfill area. The preserve, within the city of Buffalo, is along the shoreline of Lake Erie. Overall, it is a very rich wetland habitat.

(814)

Trailside Museums and Zoo

PIPC Administration Bldg.
Bear Mountain, NY 10911-0427
(914) 786-2701
Director: Jack Focht
Contact: Phil Meisner, Asst. Dir.
Operator: NYS Parks & Recreation

Open to youth groups and the general public. Day programs. Open every day. Hours: 9-5. 1 Full-time staff.

Mission: The purpose from the beginning of Trailside's existence and now is to: Acquaint the visitor with the native plant and animal life, geology, history and prehistory of the park. To stimulate interest in the conservation of plant and animal life, water, air and soil. To create interest in the out of doors, and the considerate use of our parklands. To interpret what is observed in nature. To encourage the understanding of our natural resources, and their relationship to man. To provide a pleasant and informative area for relaxation.

Unique Features: Bear Mountain's Trailside Museums and Zoo is located on the Palisades of the Hudson. There is a beautiful view of the river and the salt marsh (Iona Island) from both our scenic trail and our geology trail.

(815)

Twin Cedars/N.Y.S.D.E.C.

6274 E. Avon Lima Rd.
Avon, NY 14414
(716) 226-2466
Contact: Ronald L. Schroder, Sr. Wildlife Biologist
Operator: New York State Dept. of Env. Conserv.

Open to youth groups and the general public. Conference facilities. Day programs. Open every day except Saturday, Sunday. Hours: 8:30-4:30; Sat & Sun for spec. programs Closed on major holidays. Annual budget less than $10,000. 90 Acres.

Mission: To develop an environmentally aware public and to promote NYSDEC programs.

Site and Program Features: A special feature is the area's connection with NYSDEC and the regional office.

(816)

Utica Zoo

Steele Hill Rd.
Utica, NY 13501
(315) 738-0472
Director: Mark S. Rich
Operator: Utica Zoological Society

Open to youth groups and the general public. Day programs. Open every day. Hours: 10-5. Annual budget $500K-1,000,000. 21 Full-time staff. 80 Acres. Fees charged for facility use. Newsletter.

Mission: The Utica Zoo is a small regional zoo exhibiting a diverse collection, including several endangered species, and open year round. The main goals are conservation, education, recreation, research, and wildlife rehabilitation.

Site and Program Features: The Utica Zoo exhibits approximately 300 animals of 100 different species. Facilities include concessions, gift shop, free parking, stroller rentals, a children's zoo, playground, and picnic area. Special exhibits include Siberian tigers, California sea lions, golden-lion tamarins, red pandas, snow leopards, zebras, camels, and grizzly bears.

(817)

Waterman Conservation Education Center

Box 288, Hilton Road
Apalachin, NY 13732
(607) 625-2221
Director: Douglas Weeks

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: 9-5:30. Annual budget $100-250,000. 2 Full-time staff. 306 Acres. Newsletter.

Mission: The Waterman Center was established to help inspire the youth of the area. We have grown to the point that we are dealing with an increasing number of adults who want more information and experiences in the outdoors, and thus we have expanded our mission statement to include this expanding population.

Site and Program Features: Our Center is one of only three within 50 miles of Binghamton, NY. While the other centers offer a wide variety of programs, their resources are rather limited. Our center has a wide variety of habitats which can help people understand the special nature of each. Between our marsh, pond, forest, gorge, grasslands and island, visitors to our center can observe a wide variety of wildlife.

Unique Features: Our facility is split into several sections. Our main interpretive facility is a 96 acre parcel made up of mixed hardwoods and grasslands. We also have a 30 acre pond, a 50 acre marsh and a 112 acre island with 28 acres adjoining it. All areas, except the island, have trails and interpretive materials.

(818)

Wave Hill

675 West 252 St.
Bronx, NY 10471
(212) 549-3200
Director: Peter Sauer
Contact: Marilyn Oser, Asst. Dir. of Development

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: 10-4:30. Extended hours in summer. Closed on major holidays. Annual budget more than $1,000,000. 40 Full-time staff. 28 Acres. Fees charged for facility use.

(819)

Westmoreland Sanctuary Inc.

RD #2, Chestnut Ridge Rd.
Mt. Kisco, NY 10549
(914) 666-8448
Director: Peter Zamlowski

Open to youth groups and the general public. Day programs. Open every day. Hours: 9-5; except Sun 10:30-5. Closed on major holidays. Annual budget $50-100,000. 2 Full-time staff. 625 Acres. Newsletter.

More people live in urban areas than in rural areas. It seems appropriate that nature centers interpret the urban environment, too. Photo courtesy of the Prospect Park Environmental Center.

BEES BEES BEES
LISTEN IN
BUZZ
FOR THE GOOD OF THE WHOLE

"Where's the queen?" The fascination people have for taking a safe look at bees seems to never end. Photo by Ernest Braun.

(820)

Betsy-Jeff Penn 4-H Educational Center

Rt. 9, Box 249X
Reidsville, NC 27320
(919) 349-9445

Director: Clare-Marie Hannon
Contact: Betsy Weddle, Admin. Assistant
Operator: 4H & Youth Dev., NC State Univ.

> Open to youth groups and the general public. Conference facilities. Day and multi-day programs. Open every day. Seasonal changes in schedule. Closed on major holidays. Annual budget $250-500,000. 2 Full-time staff. 200 Acres. Lodging. Fees charged for facility use.

Mission: The focus is on providing a field laboratory for hands-on learning of concepts taught in the classroom. Opportunities for training and lifelong learning for adults are also emphasized.

Site and Program Features: The center is a modern conference and environmental education facility operated by North Carolina State University. The 200-acre site is tucked in the hills and provides a wide variety of examples of piedmont ecosystems. Wetlands, streams, small ponds and a 25-acre lake provide for the study of water biology and quality, while acres of forests demonstrate the effects of various stages of succession and provide for the study of birds, animals, reptiles and plants.

(821)

Camp Cheerio - YMCA

150 Hartley Ave.
High Point, NC 27262
(919) 869-0195

Director: Ron Austin
Contact: Keith Russell, Outdoor Ed. Coordinator
Operator: High Point YMCA

> Open to youth groups. Conference facilities. Multi-day programs. Open every day. Mid-November-Mid-March Annual budget $500K-1,000,000. 3 Full-time staff. 130 Acres. Lodging. Fees charged for facility use. Newsletter.

Mission: Camp Cheerio works best as a catalyst in Outdoor Education. We work with schools in setting up and planning their Outdoor Education experience. Teachers from participating schools teach the programs. This makes it easier for the teachers to relate to the experience when they return to their schools.

Site and Program Features: Our main area of expertise is in taking groups through our Initiative Course. This is a team-building course where participants learn to listen, express themselves and cooperate within a group to solve a task.

(822)

Carolina Raptor Center Inc.

PO Box 1644
Charlotte, NC 28297
(704) 875-6521

Director: Patricia Marcum
Contact: Cindy Manshack, Admin. Assistant

> Open to youth groups and the general public. Conference facilities. Day programs. Open every day except Monday, Tuesday. Hours: 12-5 Annual budget $100-250,000. 5 Full-time staff. 57 Acres. Newsletter.

Mission: The Carolina Raptor Center is dedicated to environmental education and to the conservation of raptors (birds of prey such as eagles, owls, hawks, falcons and vultures) through rehabilitation, research, and reproduction of endangered species.

Site and Program Features: CRC is located on 57 acres of rolling forested land on Mountain Island Lake. We are situated within a 760-acre wildlife refuge and park. The area is natural and rustic. Wildlife abounds. Scattered along the nature trail at the center are aviaries housing many species of hawks, owls, and eagles.

Unique Features: Located within a 760 acre wildlife refuge and park. Historical plantation also in park. Canoeing, horseback riding, picnic area, lake, and fishing in park.

(823)

Catawba Science Center

243 3rd Ave. NE
Hickory, NC 28601
(704) 322-8169

Director: Mark E. Sinclair
Contact: Tricia Little, Assistant Director
Operator: Arts Cener of Catawba Valley

> Open to youth groups and the general public. Day programs. Open every day except Monday. Hours: T-F 10-5; Sat. 10-4; Sun. 1-4 Closed on major holidays. Annual budget $250-500,000. 6 Full-time staff. Newsletter.

Mission: Catawba Science Center is a hands-on science museum, dedicated to encouraging the exploration of our natural and physical surroundings.

Site and Program Features: Located in the Arts Center of Catawba Valley, Catawba Science Center offers a variety of exhibits and educational programs which lead to science discovery for all ages. Emphasis is on participatory learning.

Unique Features: We are located in the Arts Center of Catawba Valley.

(824)

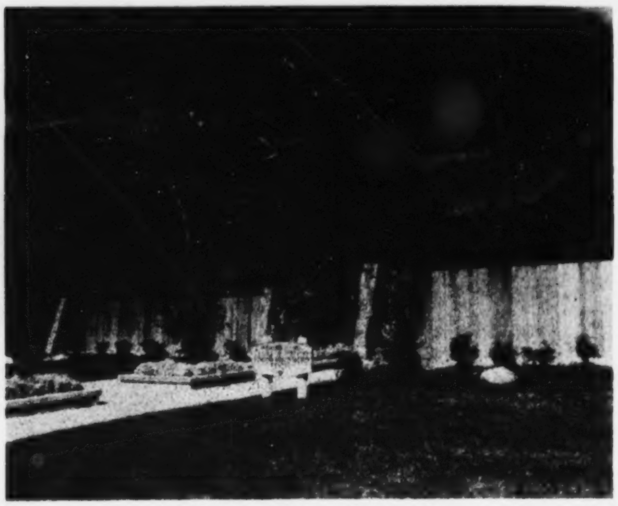
Charlotte Outdoor Adventure Center

2601 E. 7th Ave.
Charlotte, NC 28204
(704) 334-4631
Director: H.C. Woodward
Contact: Jim Warren, Dir. of Operations

Open to youth groups and the general public. Day programs. Open every day. Hours: 8-5:30 Seasonal changes in schedule. Closed on major holidays. Annual budget $100-250,000. 3 Full-time staff. 5 Acres. Fees charged for facility use.

Mission: The Charlotte Outdoor Adventure Center exists to provide opportunities to enhance the academic, social, and aesthetic growth of individuals of all ages and to encourage them to develop their potential as human beings.

Site and Program Features: COAC utilizes experiential activities, such as ropes courses, rock climbing, backpacking, whitewater sports, to enhance team-building, problem-solving, communication and leadership skills. We work with individuals to increase their self-confidence and self-esteem.



The Cradle of Forestry In America

(825)

Chimney Rock Park

PO Box 39
Chimney Rock, NC 28803
(704) 625-9611
Director: Todd Morse
Contact: Elisabeth Feil, Naturalist

Open to youth groups and the general public. Day and multi-day programs. Open every day. Hours: 8-4; except 8-5 Memorial Day-Labor Day Closed Dec. through mid March 10 Full-time staff. 1000 Acres. Lodging. Fees charged for facility use.

Mission: Our goal is to acquaint the public with the special natural features and beauty of Chimney Rock Park and to promote appreciation and understanding of our natural heritage at the same time.

Site and Program Features: Chimney Rock Park is a privately owned nature park with high cliffs, excellent views, a fissure cave, a waterfall, unusual microclimate and corresponding botanical features, all easily accessible via self-guided nature trails. Our nature center offers programs on geologic history, botany, ecology, and local history for all age levels.

(826)

Clemmons Educational State Forest

NC Div. of Forest Resources
2411 Garner Rd.
Clayton, NC 27520
(919) 553-5651
Director: Michael P. Huffman
Operator: NC Division of Forest Resources

Open to youth groups and the general public. Day programs. Open every day except Monday, Tuesday. Hours: W-F 9-5; Sat.-Sun. 11-5 Closed after Thanksgiving - mid-March Annual budget $100-250,000. 3 Full-time staff. 350 Acres. Camping.

Mission: The forest is here to be used as living environmental education centers. These managed forests are designed to facilitate a better understanding of the value of forests in our lives. Promoting multiple-use forestry; the managing of forest, soil, water, wildlife, and recreation to enhance our knowledge of how we relate to them and each other.

Site and Program Features: Clemmons is a unique outdoor experience. The forest is located in the transitional zone between the piedmont and coastal plain. We have modern restrooms, picnic areas, rustic group picnic shelter, and primitive group camping. We feature a "talking tree" trail and a forestry demonstration trail. There are also "ranger" conducted programs for groups, along with special study sites. There are exhibit centers and amphitheaters available also.

Unique Features: Clemmons offers a mix of pine stands and hardwood forest and a pleasant rolling terrain, highlighted by streams and rock outcroppings. The forest is also located in the transitional zone between the piedmont and coastal plain.

(827)

Colburn Gem & Mineral Museum

Civic Center
Asheville, NC 28801
(704) 254-7162
Director: James P. Parker
Contact: James P. Parker, Exec. Director

Open to youth groups and the general public. Day programs. Open every day except Monday. Hours: 10-5 (Tues-Fri); 1-5 (Sat-Sun) Closed on major holidays. Annual budget $25-50,000. 1 Full-time staff. Newsletter.

Mission: To develop an outstanding collection of minerals, with emphasis on those of N. Carolina. To bring knowledge of these minerals and the history of mining in the state to our school children, local residents, and tourist visitors.

Site and Program Features: Our collection is built around a nucleus of Mr. Colburn's collection, which was one of the best. North Carolina has a larger number of mineral varieties than any other state in the U.S. and is recognized as a remarkable area for rock-hound prospecting. Asheville is central to this area.

(828)

Cradle of Forestry in America

1001 Pisgah Hwy.
Pisgah Forest, NC 28768
(704) 877-3130
Director: Don Fisher
Contact: Mike Milosch, Asst. Dir.
Operator: U.S. Forest Service & Cradle of For.

Open to youth groups and the general public. Day programs. Open every day. Hours: 10-6 Open April-October. Annual budget $100-250,000. 1 Full-time staff. 6000 Acres. Fees charged for facility use.

Mission: This is a National Historic Site dedicated to educating the public in forest resource conservation and management. The program emphasizes the birth and development of American forestry and forest resource conservation, as well as modern forest conservation practices.

Site and Program Features: The Visitor Orientation Center features audiovisual programs and exhibits and displays related to forest resource conservation and management. Two paved trails offer exhibits featuring the restored 1800s campus of America's first forestry school and early 1900s forestry practices and displays. Included are a restored portable sawmill and climax logging locomotive. Interpretive guides are available for the trails.

Unique Features: We are located in the scenic Pisgah National Forest.

(829)

Discovery Place

301 N. Tryon St.
Charlotte, NC 28202
(704) 372-6261
Director: Freda H. Nicholson
Contact: Michael E. Blanton, Marketing/PR Manager
Operator: Science Museums of Charlotte, Inc.

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: M-F 9-5; Sat. 9-6; Sun. 1-6 (Sept.-May) June-Aug.: M-F 9-6. Annual budget more than $1,000,000. 75 Full-time staff. 2 Acres. Fees charged for facility use. Newsletter.

Mission: Discovery Place is one of the nation's top 10 hands-on science and technology museums. Opened in the fall of 1981, the museum now attracts more than half a million visitors annually. Visitors can explore everything from a three-story tropical rainforest, an aquarium, the collections gallery, the science circus, the computer center, the energy dome, and the physics theatre in the 82,000 sq. ft. facility.

Site and Program Features: Ground will be broken in October of 1989 for an $18 million, 60,000 sq. ft. addition, featuring an Omnimax Theatre, Planetarium, Space Challenger Center, restaurant, early childhood teaching area and more.

Unique Features: We are a leading science and technology museum located in the heart of uptown Charlotte.

A restored 1880s student boarding house is featured at the Pisgah National Forest. Photo courtesy of the Cradle of Forestry In America.

(830)

Durant Nature Park

Box 590
Raleigh, NC 27602
(919) 755-6640
Director: Jack Duncan
Contact: John I. Connors, City Naturalist
Operator: City of Raleigh, Parks & Rec. Dept.

Open to youth groups and the general public. Conference facilities. Day and multi-day programs. Open every day. Annual budget $100-250,000. 3 Full-time staff. 250 Acres. Lodging. Camping. Newsletter.

Mission: Since 1979, Durant Nature Park has been the place in the city of Raleigh where people and nature meet. The park, containing 240 acres of woodlands, fields, streams and ponds, is managed to encourage abundant wildflowers and wildlife. Four miles of hiking trails lead park visitors through the varied habitats. Picnic facilities, a retreat center, social hall, a boat house and a recreational area complement the natural features of the park and open it to the visiting public and our recreation program.

Site and Program Features: Durant Nature Park's program reflects the city of Raleigh's commitment to providing imaginative interactions between park visitors and their environment. Special programs include: Science Afield Outings–scheduled outdoor programs for youth; Nature of the City—weekend programs for families; Residential Outdoor Education—Wake County 5th graders in residence for science education; and Summer camps including Camp Friendly for special populations, Ranoca for 6-12-year-olds, and Adventure Camp for young teens. Special Events include "Halloween Trail" and our spring "Down and Dirty Festival."

Unique Features: Rock outcroppings with endemic plants; maintained "Butterfly Garden."

(831)

Eagle's Nest Camp Inc.

633 Summit St.
Winston Salem, NC 27101
(704) 877-4349

Director: Helen V. Waite

Open to youth groups. Conference facilities. Multi-day programs. Seasonal changes in schedule. Annual budget $500K-1,000,000. 3 Full-time staff. 65 Acres. Lodging. Newsletter.

Mission: Eagle's Nest believes that a child's knowledge of himself develops through a concrete relationship and stewardship of this plant. We believe that a good summer camp incorporates this worthy membership, and actively and simply devotes itself to experiential teaching in natural history, music, the arts, and man's archaic past, all in a medium of wilderness and strong community relationship where commitment counts.

Site and Program Features: Our camp lies in the valley at the foot of Mt. Pisgah harbored in an upland fork between the French Broad and Little River. We are rich in forest and the past of the Native American. White water and granite rock are within easy access. Our adventure/paleoman projects reach from the Rockies and the Georgia Sea Islands and Mexico to Maine and Nova Scotia.

(832)

Energy Explorium

PO Box 820
Cornelius, NC 28031
(704) 875-5600 FAX: (704) 875-5602

Director: Susie Adams
Operator: Duke Power Co

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: 9-5; except 12-5 Sun Sun 12-6 Jun-Aug Closed on major holidays. 5 Full-time staff.

Mission: At Duke Power's Energy Explorium, you will have fun learning about electricity. Our 15 hands-on exhibits will delight and enlighten both school and family groups. A staff of energy educators will tailor a program for your group in our 100-seat auditorium. We teach about electricity generation, conservation, the environment, safety, nuclear power or energy for the future.

Site and Program Features: You can come by car or boat. Bring a picnic lunch and enjoy the view of Lake Norman, McGuire Nuclear Station and Cowans Ford Hydroelectric Station, and walk through our wildflower garden planted with North Carolina flowers, ferns and shrubs. With special arrangements, you can see nuclear operators practice their skills on a control room simulator. Our hands-on energy exhibits will delight and enlighten both school and family groups.

(833)

Foothills Equestrian Nature Center

500 Hunting Country Rd.
Tryon, NC 28782
(704) 859-9021

Director: David Riddle

Open to youth groups and the general public. Day programs. Open every day. Hours: M-F 9-5 Closed on major holidays. Annual budget $50-100,000. 1 Full-time staff. 210 Acres. Lodging. Camping. Newsletter.

Mission: Foothills Equestrian Nature Center is a unique organization, combining resources for nature study with facilities for a variety of equestrian events. Through educational programs and recreational activities, FENCE aims to promote appreciation and preservation of the rich environmental and equestrian heritage of the Carolina foothills.

Site and Program Features: Special features include 210 acres of piedmont meadows, streams, and woodlands, interwoven with eight miles of trails for riders and walkers; curriculum-coordinated natural science programs for area schools; and educational and recreational opportunities for all ages.

(834)

Gem and Mineral Society of Franklin

2 West Main St.
Franklin, NC 28734
(704) 369-7831

Contact: Winnie Dalen, Curator

Open to youth groups and the general public. Day programs. Open every day. Hours: M-Sat 10-4; Sun. 1-4 Open May 1, Closed Oct. 31. Annual budget less than $10,000. Newsletter.

Mission: Enlightenment of the general public of the beauty that lies around them in rocks, minerals and gems. We are near the Cowee Ruby Mines and often accompany school groups.

Site and Program Features: We are located in the heart of Franklin, in the Old Jail building. Nearby are the Historical Society Museum, Memorial Statue, Court House, Memorial Clock Tower and other old structures. We have documented more than 11,000 persons in a six-month season.

(835)

Long Branch Environmental Education Center

Rt. 2, Box 132
Big Sandy Mush Creek
Leicester, NC 28748
(704) 683-3662

Director: Paul B. Gallimore

Open to youth groups and the general public. Conference facilities. Day and multi-day programs. Open every day. Hours: 9-5 Closed on major holidays. Annual budget $50-100,000. 1 Full-time staff. 125 Acres. Lodging. Camping. Fees charged for facility use. Newsletter.

Mission: The Long Branch Environmental Education Center conducts a variety of workshops, seminars, conferences, programs, and planning strategies in the areas of resource conservation, biodiversity preservation, wildlife management, energy efficiency, renewable energy, recycling, waste reduction, waste utilization, ecological farming and gardening, permaculture and environmental design, and appropriate technology. All of the research, demonstration, community planning, and educational programs undertaken at the center share the common goal of encouraging greater self-reliance in providing for food, energy, shelter needs, and improved environmental quality and resource management at the local level.

Site and Program Features: The center is built on 125 acres of rugged Southern Appalachian mountainside at 3,200 feet elevation. Featured are a myriad of appropriate technology demonstrations including passive solar shelters, attached solar greenhouses, passive solar composting toilets, retreat sites, a rustic dormitory housed in a traditional tobacco barn, trout pond, organic gardens, berry patches, fruit and nut orchards, and other facilities. A series of hiking trails winds up and through the mountain's hardwood forests along side abundant springs and 2 bold creeks (through some fantastic black bear habitat!) to Big Sandy Mush Bald (elevation 5,152 feet) for a sweeping panoramic view of the Great Smokies, the Blue Ridge Escarpment, the Black Mountains and the French Broad River Valley and watershed.

(836)

McDowell Park Nature Center

Mecklenburg County Park & Rec.
15222 York Rd.
Charlotte, NC 27217
(704) 588-1436

Director: R. Wayne Weston
Contact: Neil Carroll, Sr. Park Ranger

Open to youth groups and the general public. Day programs. Open every day except Monday, Tuesday. Hours: Sun-Fri 12-5; F 9-5 June-Aug. 7 days/Dec.-Feb. weekends. Annual budget more than $1,000,000. 18 Full-time staff. 900 Acres. Camping.

Mission: The goal of the McDowell Park Nature Preserve is to provide a wide variety of hands-on displays focusing on local nature and wildlife subjects, as well as through scheduled programs available to the public in a facility located within a 900-acre nature preserve and park.

Site and Program Features: Hardwood and pine forests are intertwined with a network of nature trails on the mountain-like rolling terrain within the park and along the two miles of shoreline bordering Lake Wylie. Park facilities are all accessible from the nature center by a trail offering a wide variety of leisure opportunities.

Unique Features: Natural wooded area-nature preserve; lake front setting.

(837)

Morehead Planetarium Univ. of North Carolina

CB 3480
Chapel Hill, NC 27599-3480

Director: Lee T. Shapiro
Operator: Univ. of North Carolina at Chapel Hill

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: 12:30-5 & 6:30-9:30 Seasonal changes in schedule. Annual budget $500K-1,000,000. 11 Full-time staff. 1 Acre. Newsletter.

Mission: The Morehead Planetarium emphasizes science education through demonstrations in its Star Theater to school/youth groups and the general public. Famous for celestial navigation training of early astronauts, the planetarium provide special training for North Carolina teachers and operates a planetarium internship program. Presentations on six different topics are offered weekly.

Site and Program Features: The Morehead Planetarium features a 68-foot diameter Star Theater dome housing a Zeiss Model VI planetarium projector, 35-mm wide-angle film projection system, video-beam projection system, MC-10A automation, and multi-capability audio-visual special effects system. The facility's exhibits include one of the world's few walk-in orreries and a large outdoor sundial.

"Do you know the story behind this leaf?" Following-up on the answer could result in many different lessons. Photo courtesy of Foothills Equestrian Nature Center

(838)

Morrow Mountain State Park

Rt. 5, Box 430
Albemarle, NC 28001
(704) 982-4402

Director: Tim McCree
Operator: NC Div. of Parks and Recreation

Open to youth groups and the general public. Day and multi-day programs. Open every day. Hours: 8am-9pm Jun-Aug;8-8 Apr, May, Sep. Close 7pm Mar, Oct; 6pm Nov-Feb Annual budget $100-250,000. 4 Full-time staff. 4641 Acres. Lodging. Camping.

Mission: To interpret the ecology and history of the Uwharrie Hills and provide outdoor recreation conducive to a natural setting.

Site and Program Features: Morrow Mountain State Park is situated in the rugged Uwharrie Hills and has access to Lake Tillery. Programs cover the fascinating ecology and long human history of the park with on-site, hands-on experiences. A wide variety of day and overnight recreation is available.

Unique Features: Located in North Carolina's only volcanic mountain range. Mature hardwood forest.

(839)

Natural Science Center of Greensboro, Inc.

4301 Lawndale Dr.
Greensboro, NC 27408
(919) 288-3769
Director: Edward von der Lippe

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: 9-5 Annual budget more than $1,000,000. 17 Full-time staff. 30 Acres. Newsletter.

Mission: The Natural Science Center of Greensboro was established to serve the community and surrounding areas with Educational Opportunities for all persons with a desire to increase their knowledge of the universe. It is a private non-profit corporation and is organized to develop and provide learning experiences in all scientific fields and with a zoological park. The delivery of these learning experiences will focus primarily on residents of Guilford County and the surrounding regional area. The Center will also work to improve the effectiveness and efficiency of the training offered through the development, where appropriate, exhibitions of renowned exhibits, which will become available through loans from other similar institutions.

(840)

Nature Museum

1658 Sterling Rd.
Charlotte, NC 28209
(704) 372-6261
Director: Freda H. Nicholson
Contact: Michael E. Blanton, Mktg./PR Manager
Operator: Science Museums of Charlotte, Inc.

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: M-F 9-5; Sat. 9-6; Sun. 1-6 (Sept.-May) June-Aug.: M-T 9-5. Annual budget $25-50,000. 6 Full-time staff. 9 Acres. Fees charged for facility use. Newsletter.

Mission: A Charlotte, NC, landmark for more than 40 years, the Nature Museum is a natural science center designed for children and their families. The museum is a strongly supported educational and recreational resource serving 100,000 visitors annually. Programs in the exhibit areas, planetarium and the owl's nest learning center provide unique science experiences for public visitors and scheduled groups.

Site and Program Features: All of our exhibits and programming utilize a hands-on approach to learning, which has been proven to be among the best educational methods available today.

Unique Features: We are a natural science museum with programs targeted to age seven and below.

(841)

Nature Science Center

Museum Drive
Winston Salem, NC 27105
(919) 767-6730
Director: David D. Bonney

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: 10-5 Annual budget $500K-1,000,000. 17 Full-time staff. 27 Acres. Newsletter.

Mission: To provide an introductory educational experience in the natural and physical sciences and to provide and develop quality exhibits that will be educational and participatory.

Site and Program Features: The center is unique. There is nothing like it in the county. The center has something for everyone! One of the most popular visitor attractions in Forsyth County—a green space in the center of a rapidly growing area. Barnyard, trails, planetarium, tidal pool, science theater, discovery room, man in space area, and a live animal center are found here.

(842)

New Hanover County Museum of The Lower Cape Area

814 Market St.
Wilmington, NC 28401
(919) 341-4350
Director: Janet Seapker
Contact: Harry Warden, Researcher
Operator: New Hanover County Govt.

Open to youth groups and the general public. Conference facilities. Day programs. Open every day except Monday. Hours: Tues.-Sat. 9-5; Sun 2-5 Closed on major holidays. Annual budget $250-500,000. 8 Full-time staff. 10 Acres. Newsletter.

Mission: New Hanover County Museum of the Lower Cape Fear preserves and interprets the history and natural history of the region, designated as a 50 mile radius around Wilmington, North Carolina. The region takes its name from the Cape Fear River, both branches of which flow through it.

(843)

North Carolina Aquarium at Pine Knoll Shores

Atlantic Beach, NC 28512-0580
(919) 247-4003 FAX: (919) 247-0663
Director: Dr. Ned A. Smith
Operator: State of North Carolina

Open to youth groups and the general public. Conference facilities. Day and multi-day programs. Open every day. Hours: M-Sat. 9-5; Sun. 1-5 Annual budget $500K-1,000,000. 3 Full-time staff. 290 Acres. Newsletter.

Mission: Our mission is to increase public awareness of North Carolina's coastal and marine resources and to foster their wise use. Field trips, including boat trips, public and school programs, and exhibits, are available.

Site and Program Features: This North Carolina aquarium (one of three) is situated in a lush maritime forest on the shore of Boque Sound. This barrier island setting is ideal for field trip sites, and compliments the indoor exhibits and programs.

(844)

North Carolina Aquarium on Roanoke Island

PO Box 967
Airport Road
Manteo, NC 27954
(919) 473-3493 FAX: (919) 473-1980

Director: Rhett B. White
Operator: State of North Carolina

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: 9-5; except 1-5 Sun Closed on major holidays. Annual budget $500K-1,000,000. 13 Full-time staff. 14 Acres. Newsletter.

Mission: The North Carolina Aquarium on Roanoke Island serves as a center for public information, marine education and coastal research; houses aquariums and natural history exhibits.

Site and Program Features: The North Carolina Aquarium on Roanoke Island features salt water and fresh water aquariums with native fresh and marine fishes and marine life. It also features a marine life touch tank, fresh water turtle pond and sound-side overlook.

(845)

North Carolina Maritime Museum

315 Front Street
Beaufort, NC 28516
(919) 728-7317

Director: Rodney Barfield
Contact: Jane Wolff, Public Information
Operator: State of NC

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Closed on major holidays. Annual budget $500K-1,000,000. 15 Full-time staff. 1 Acre. Newsletter.

Mission: The North Carolina Maritime Museum interprets, commemorates, and preserves the maritime and coastal natural history of the state of North Carolina.

Site and Program Features: The museum complex includes a main building which houses the exhibits. Across the street from this building are two other buildings which are located directly on the water. These waterfront buildings house classroom, office, and meeting space. One of these, the watercraft center (not yet constructed), will also house exhibits and boat building demonstrations. In addition to the museum itself, staff conduct field trips in the area for the public year around.

(846)

North Carolina Museum of Life and Science

433 Murray Ave.
Durham, NC 27704
(919) 477-0431

Director: Dr. Thomas Krakauer
Contact: Susan Bastian, Public Relations Coordin.

Open to youth groups and the general public. Day programs. Open every day. Hours: M-Sat. 10-5; Sun. 1-5 Memorial Day-Labor Day, 10-6. Annual budget more than $1,000,000. 18 Full-time staff. 80 Acres. Fees charged for facility use. Newsletter.

Mission: The nature center with its live animal habitat and the farmyard seeks to allow the visitor a first-person, hands-on experience of animals and to raise awareness of the diversity and vitality of animal life in North Carolina.

Site and Program Features: Our 80-acre site with habitat building, farmyard, and outdoor large mammal enclosures provides an important counterpoint to our increasingly urban existence. Our educational programs focus on our relationships with animals and nature, our interdependence, and our need to be aware of how the world works.

Unique Features: An animal habitat exhibit features a variety of indoor, naturalistic habitats.

(847)

North Carolina State Museum of Natural Sciences

102 N. Salisbury St.
Box 27647
Raleigh, NC 27611
(919) 733-7450 FAX: (919) 733-1048

Director: John B. Funderburg
Contact: Robert G. Wolk, Dir. of Education
Operator: State of NC/Dept. of Ag.

Open to youth groups and the general public. Day and multi-day programs. Open every day. Hours: M-Sat. 9-5; Sun. 1-5 Closed on major holidays. Annual budget more than $1,000,000. 12 Full-time staff. Newsletter.

Mission: Purpose is to develop and maintain facilities for the acquisition and dissemination of knowledge concerning the natural history (flora, fauna, minerals, fossils, and ecology) of North Carolina.

Site and Program Features: The means and methods whereby we accomplish the museum's mission include: an active exhibit program, systematic collections in the care of taxonomic specialists who conduct research on the collections and on the ecology of southeastern U.S. biota, educational services such as teacher education, classes, lectures, and workshops highlighting the use of objects in teaching, and the publication of scientific and popular materials.

(848)

Piedmont Environmental Center

1228 Penny Rd.
High Point, NC 27260
(919) 454-4214
Director: Richard Thomas
Operator: City of High Point

Open to youth groups and the general public. Day programs. Open every day except Saturday, Sunday. Hours: 8:30-5:00 Seasonal changes in schedule. Closed on major holidays. Annual budget $100-250,000. 2 Full-time staff. 376 Acres. Newsletter.

Mission: The mission of Piedmont Environmental Center is to provide environmental education through outdoor experience. We offer field-oriented classes emphasizing "real-life" experiences for school and adult groups.

Site and Program Features: The preserve is protecting a diverse assemblage of piedmont community types in what is otherwise a highly developed area. The strengths of our program lie with our commitment to purpose, and our talented, professional staff.

Unique Features: The Center consists of upland seeps, swales, low-lying hardwood bottoms, pine stands and lakeshore and field communities.

(849)

Rendezvous Mountain Educational State Forest

Rt. 1, Box 50B
Purlear, NC 28665
(919) 667-5072
Director: Harry Layman
Contact: Aleck Hurt, Supervisor
Operator: N.C. Div. of Forest Resources

Open to youth groups and the general public. Day programs. Open every day except Monday, Tuesday. Hours: W-F 9-5; Sat.-Sun. 11-8 Seasonal changes in schedule. Annual budget $50-100,000. 3 Full-time staff. 147 Acres.

Mission: Rendezvous Mountain Educational State Forest was developed for use as a living environmental education center. It is designed to facilitate a better understanding of the value of forests in our lives. A well-informed public can insure the wise use of our natural resources. Some of the methods we use to inform the public include: environmental education programming, workshops, day camps, and special events.

Site and Program Features: Rendezvous Mountain Education State Forest offers a unique outdoors experience in the rugged terrain of the Blue Ridge Mountains. Whether you choose the "talking tree" trail with its talking stations, or the Fire Tower-CCC cabin trail with its forest history, or the Sawmill Trail with its working sawmill, there is a trail for everyone. Picnic sites for groups or individuals and environmental education programming for groups with reservations make a visit to Rendezvous Mountain Educational State Forest a special treat.

Unique Features: Our site features climax, old-growth hardwood forest with 14 acres of virgin poplar and locust timber.

(850)

Roan Mountain Environmental Adventure Center

Box 1516
Tryon, NC 28782
(704) 863-4235
Director: Mark Levin

Open to youth groups and the general public. Conference facilities. Multi-day programs. Open every day. Seasonal changes in schedule. Annual budget $100-250,000. 3 Full-time staff. 66 Acres. Lodging. Camping. Fees charged for facility use. Newsletter.

Mission: Protecting and preserving the environment through increasing environmental awareness and appreciation.

Site and Program Features: School groups help to design the program that they need. Many of our programs are presented at the school or a school-chosen site.

Unique Features: Roan Mountain (6,285') is next door. The Appalachian Trail is behind the facility. The facility borders Pisgah National Forest.

Living history programs are a popular adjunct to many environmental centers. For more information on program offerings, see Appendix A. Photo courtesy of Schiele Museum of Natural History.

(851)

Rocky Mount Children's Museum

1610 Gay St.
Rocky Mount, NC 27804
(919) 972-1167 FAX: (919) 972-1232
Director: Karl L. McKinnon
Operator: City of Rocky Mount Parks & Rec. Dept.

Open to youth groups and the general public. Day programs. Open every day. Hours: M-F 10-5; Sat. 12-5; Sun. 2-5 Seasonal changes in schedule. Annual budget $100-250,000. 2 Full-time staff. 5 Acres. Newsletter.

Mission: We are education oriented with the goal of science literacy being paramount. It is vitally important that our community, our nation, and our world understand the scientific principals so that we can control what is devastating our environment.

Unique Features: Located on the flood plain of the Tar River, we are able to see the effects of damming as spring rains occur.

(852)

San Lee Park

Box 698
Sanford, NC 27330
(919) 776-6221
Director: Don McLaughlin
Contact: Steve Godfrey, Park Op. Supervisor
Operator: Lee Co. Parks & Rec. Dept.

Open to youth groups and the general public. Day programs. Open every day. Hours: M-F 8-dusk; Sat.-Sun. 11-dusk Annual budget $50-100,000. 3 Full-time staff. 120 Acres. Camping. Newsletter.

Mission: (1) We are a public park with facility rentals, and (2) we are an educational facility, working primarily with area schools.

Site and Program Features: We have a man-made lake, forested trail system and multipurpose facility. Our program is mainly a young environmental education program utilizing traveling naturalist programs to educate teachers and students about the natural world and possibilities outdoors.

Unique Features: Our site features a man-made double lake.

(853)

Schiele Museum of Natural History and Planetarium

1500 E. Garrison
Gastonia, NC 28054
(704) 866-6900 FAX: (704) 864-9732
Director: Richard A. Stout
Operator: Schiele Museum and City of Gastonia

Open to youth groups and the general public. Conference facilities. Day programs. Open every day except Monday. Hours: T-F 9-5; Sat.-Sun. 2-5 Seasonal changes in schedule. Annual budget $500K-1,000,000. 30 Full-time staff. 30 Acres. Newsletter.

Mission: Our goal is to provide an involvement-based education experience for the student and general public that leads to an understanding of the environment, ecology, and personal value stewardship of the world. We take a local to global view of almost all issues.

Site and Program Features: We offer one of the most heavily visited museums in the southeast with award-winning formats of programs in environment and natural studies. We offer active research programs in Carolina Paleogeology and Piedmont Archaeology. The 30-acre site features 19 buildings of historic and prehistoric nature. The primary site is doubling in 1989-90. All school programs are correlated with grade and ability-level texts. Wide-ranging travel, teacher workshops and "involvement-level" internships are available.

Unique Features: Our 30-acre site hosts a wooded area with clear streams, ponds, archaeological sites, pioneer sites, mature forest and open meadow. Geologic outcrops are from 535 million. The site shows textbook example of impact of man on the environment.

(854)

Stone Mountain State Park

Rt. 1, Box 15
Roaring Gap, NC 28685
(919) 957-8185
Director: James Billings
Contact: Faye Hutchison, Secretary
Operator: North Carolina State Park

Open to youth groups and the general public. Day and multi-day programs. Open every day. Hours: 8:00 am - 9:00 pm Jun-Aug; 8:00-6:00 Nov-Feb; 8:00-7:00 Mar-Oct; Apr-May-Sept-8:00-8:00. Seasonal changes in schedule. 13,000 Acres.

Unique Features: The terrain is extremely rugged. Stone Mountain is a dome-shaped granite rising 600 feet above its base. The base circumference is approximately four miles and the mountain rises to 2,305 feet above sea level. Stone Mountain Falls located on Big Sandy is a most impressive waterfall, tumbling 200 feet downward. The granite which underlies the park and is so visible dates back 300 million years and is visible in the large outcrop areas.

(855)

Western North Carolina Nature Center

75 Gashes Creek Road
Asheville, NC 28805
(704) 298-5600
Director: Zack Allen
Contact: Dan Lazar, Director of Education
Operator: Buncombe County

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: 10-5 Nov-Apr closed Mon; Open Sun 1-5 Closed on major holidays. Annual budget $250-500,000. 12 Full-time staff. 45 Acres. Fees charged for facility use. Newsletter.

Mission: The Nature Center is a living museum of plants and animals of the Southern Appalachian Mountains. It was established in 1977 for the purpose of acquainting residents and visitors with the rich natural heritage of this region in the belief that, through knowledge, will come appreciation and concern for the preservation of the natural environment.

Site and Program Features: The Nature Center maintains a representative collection of native Southern Appalachian animal species in naturalistic habitats, as well as a collection of typical farm animals, which are accessible to the public. Our education programs are correlated with and designed to enhance the standard science and social studies curricula of the State of North Carolina.

Unique Features: The site borders the Swannanoa River in the mountains of western North Carolina. 35 acre woodland includes floodplain and upland hardwood forests with thickets of Rhododendron maximum and Kalmia latifolia.

(856)

Wing Haven Garden & Bird Sanctuary

248 Ridgewood Ave.
Charlotte, NC 28207
(704) 331-0664
Director: Wanny Hogewood

Open to youth groups and the general public. Day programs. Open Tuesday, Wednesday, Sunday. Hours: 3-5 pm Annual budget $100-250,000. 1 Full-time staff. Newsletter.

Mission: To maintain a garden and provide a sanctuary for birds where persons can find serenity and pleasure in the enjoyment of nature; provide a place for community enrichment through nature study and the study of botany and garden design; provide surroundings where children and their teachers can appreciate the interrelationship of different forms of life and have a personal experience with nature; provide an example of the value and need for conserving wildlife and habitat.

Site and Program Features: Throughout the 3 1/2-acre gardens, careful planning has been observed in planting shrubs, trees and plants which attract birds, and in the siting of paths and ponds for visual effectiveness. Thousands of visitors from children's school groups to senior citizens and from many states and countries come to Wing Haven each year to enjoy the serenity of this special garden.

This unreleasable rehabilitated great horned owl now earns its mice by participating in educational programs. Photo courtesy of the New York Power Authority.

(857)

Audubon National Wildlife Refuge

RR 1, Box 16
Coleharbor, ND 58531
(701) 442-5474

Director: David G. Potter
Contact: Marilyn Wohlk, Refuge Assistant
Operator: U.S. Fish & Wildlife Service

Open to youth groups and the general public. Day programs. Open every day except Saturday, Sunday. Hours: Summer: 7-3:30; Winter: 8-4:30 Closed on major holidays. Annual budget $250-500,000. 4 Full-time staff. 14,400 Acres.

Mission: Our goals are (1) habitat for waterfowl and endangered-threatened species, (2) habitat for other migratory birds, (3) habitat for resident wildlife, (4) environmental education, and (5) wildlife-oriented recreation.

Site and Program Features: We offer a natural setting for wildlife observation in prairie and good, 8-mile-long auto tour route.

(858)

Icelandic State Park Gunlogson Nature Preserve

HCR 3, Box 64A
Cavalier, ND 58220
(701) 265-4561

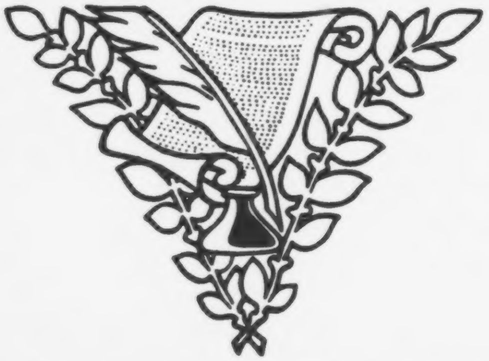
Contact: Henry J. Duray, Park Manager
Operator: N.D. Parks and Rec. Dept.

Open to youth groups and the general public. Day programs. Open every day. Hours: 9-6 Seasonal changes in schedule. 3 Full-time staff. 160 Acres. Camping. Fees charged for facility use. Newsletter.

Mission: The mission of the Gunlogsun Nature Preserve is to protect and perpetuate its biological features of state and national significance. It is dedicated for inspirational and educational purposes; to provide enjoyment and to stimulate appreciation of nature.

Site and Program Features: The nature preserve has a high diversity of specialized habitats, plant and animal life to include three state rare species of birds and a rare fish, nine state rare plants and premier woodland and wetland communities.

Unique Features: Our site features a river valley that dissects a beach sand ridge of former glacial Lake Agassiz, with spring-fe wetland thickets comprising a significant portion of the lowland woodlands.



The National Association of Interpreters is an organization of interest to many people in the nature center profession. For more information on professional organizations, see Appendix B.

(859)

Long Lake National Wildlife Refuge

RR 1, Box 23
Moffit, ND 58560
(701) 387-4397

Contact: Refuge Manager

Open to youth groups and the general public. Day programs. Open every day except Saturday, Sunday. Hours: 7:30-4 3 Full-time staff. 22,300 Acres.

Mission: The refuge was established to control botulism in avian species, primarily waterfowl. We also produce a variety of wildlife on the 22,300-acre refuge which is roughly 16,008 acres of water.

Site and Program Features: The Long Lake itself is a shallow, somewhat saline body of water highly attractive to waterfowl and marsh and wading birds.

(860)

Lostwood National Wildlife Reserve

RR 2, Box 98
Kenmare, ND 58746
(701) 848-2722

Contact: Karen A. Smith, Refuge Manager

Mission: This is a field station and does not have any type of facilities. We get numerous "birders" looking for Baird's sparrows, Spragues Pipits, grasshopper sparrow, LeConte's sparrow, sedge wren, etc. all of which Lostwood has.

(861)

Red Willow Bible Camp-Whole Earth Education

Rt. 2, Box 104
Binford, ND 58416
(701) 676-2681
Director: Rev. Eric Ackerman
Contact: Cindy Witt, Whole Earth Ed. Director
Operator: Congregations of the Evangelical Luth. Church

Open to youth groups and the general public. Conference facilities. Day and multi-day programs. Open every day. Annual budget $250-500,000. 5 Full-time staff. 300 Acres. Lodging. Camping. Fees charged for facility use. Newsletter.

Mission: To help people rekindle their sense of wonder in the natural world and to learn ways to better care for our environment. We cover three different "environments": the natural, the social and the personal.

Site and Program Features: Our retreat center is winterized, so it is available for year-round use. Because of the variety of habitats at our site, we can help people enjoy and appreciate many parts of N. Dakota. Our E.E. program is designed to enhance the school curriculum and the teachers are directly involved because they also help teach the lessons.

(862)

Theodore Roosevelt National Park

Box 7
Medora, ND 58645
(701) 623-4466 FAX: (701) 623-4840

Director: C. Mack Shaver
Contact: Bruce M. Kaye, Chief Naturalist
Operator: National Park Service

Open to youth groups and the general public. Day and multi-day programs. Open every day. Hours: June-Aug. 8-8; Sept.-May 8-4:30 Seasonal changes in schedule. Annual budget more than $1,000,000. 3 Full-time staff. 70,416 Acres. Fees charged for facility use.

Mission: To promote the significance of Theodore Roosevelt and the contributions he made to conservation and the development of the West. To provide a setting where one can experience the badlands/prairie environment and to understand and enjoy it as Roosevelt once did. To protect and interpret the badlands ecosystems surrounding the Little Missouri River.

Site and Program Features: Local variations in geology, soil and topography along the Little Missouri River have created abrupt scenic contrast to the gentle rolling panorama of the northern Great Plains. The park is mantled by a rich and diverse mosaic of plant communities that provides habitats for an equally diverse variety of animal life. The relationship between the land and Theodore Roosevelt and the development of his conservation ethic is also stressed.

(863)

Sullys Hill National Game Preserve

Box 908
Devils Lake, ND 58301
(701) 766-4272

Contact: Steve Kresel, Outdoor Rec. Planner
Operator: U.S. Fish & Wildlife Service

Open to youth groups and the general public. Day programs. Open every day. Hours: 8 to sunset Closed during winter. 1 Full-time staff. 994 Acres.

Mission: Our mission is to maintain game preserve to maximize outdoor educational opportunities, and to provide an area that serves to increase visitors viewing of native North Dakota wildlife and natural habitat.

Site and Program Features: We maintain a herd of 30 bison, 20 elk, 20 white tail deer; 4-mile self-guided auto tour route through big game area; display waterfowl flock; and have a self-guided nature trail.

(864)

Turtle Mountain Env. Learning Center

Lake Metigoshe State Park
RR 1, Box 359
Bottineau, ND 58318
(701) 263-4651

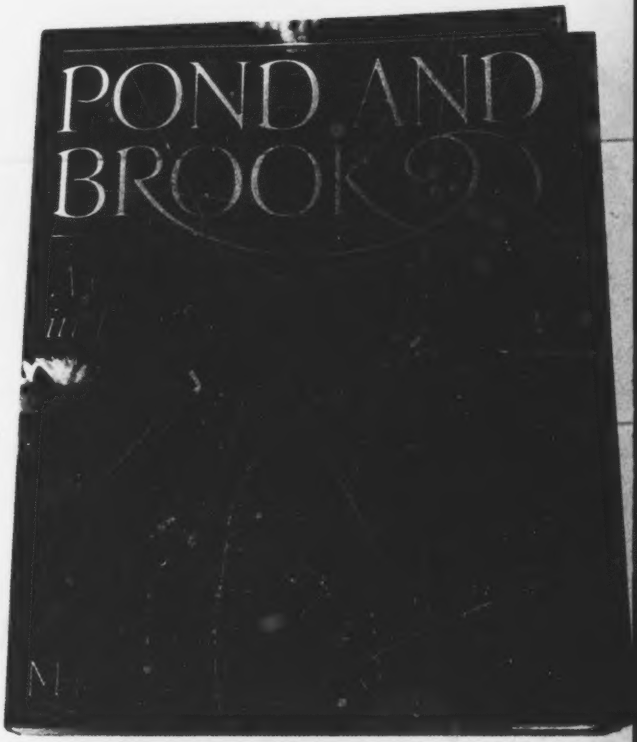
Director: Paula Onufray
Operator: ND Parks & Rec. Dept./Tri-College Center for Env. Studies

Open to youth groups and the general public. Conference facilities. Day and multi-day programs. Open every day. Hours: 8-5 closed during summer. Annual budget $10-25,000. 1 Full-time staff. 1200 Acres. Lodging. Camping. Fees charged for facility use. Newsletter.

Mission: TMELC's mission is to provide on-site residential and day-use programs in nature study, conservation education, and outdoor recreation. Our goal is to foster an increased awareness, understanding, and appreciation of our natural resources, and concern for their future status.

Site and Program Features: The site offers outstanding opportunities for learning about, and enjoying a diversity of natural features. The range of glacially formed wetlands (from lakes and ponds to marshes and sloughs) forms the "classroom" and "text" for most of the learning center's activities.

Unique Features: The Turtle Mountains are rolling hills located on the North Dakota/Canadian border. The aspen/oaks woodlands, and the wetlands provide prime habitat for a variety of wildlife, including moose, elk, beaver, and waterfowl.



One of many resource books available to the profession which helps us to look at familiar things in refreshing ways. Check your local nature center bookstore. (See Appendix A for locations.)

(865)

Aullwood Audubon Center & Farm

1000 Aullwood Rd.
Dayton, OH 45414
(513) 890-7360
Director: Charity Krueger
Operator: National Audubon Society

Open to youth groups and the general public. Conference facilities. Day and multi-day programs. Open every day. Hours: 9-5; except 1-5 Sun. Annual budget $250-500,000. 6 Full-time staff. 200 Acres. Fees charged for facility use. Newsletter.

Mission: Our mission is to help participants to better understand the world in which they live, their relationship to other plants and animals, our impact (human) on the global environment and what we as individuals can do to help alleviate environmental problems.

Site and Program Features: Aullwood is a 200 acre facility with diverse environments, excellent physical facilities and is well known in the community. Strengths include stability (32 years), long time staff which provides continuity and an outstanding Friends of Aullwood support group. The professional staff is a most outstanding asset.

(866)

Barnebey Center for Environmental Studies

2021 Coffey Rd.
Columbus, OH 43210
(614) 292-2265
Director: Dr. John F. Disinger
Operator: The Ohio State University

Open to youth groups and the general public. Conference facilities. Day and multi-day programs. Open every day. Open 4/1 - 11/30. Closed on major holidays. Annual budget $25-50,000. 2 Full-time staff. 1300 Acres. Lodging. Fees charged for facility use.

(867)

Blacklick Woods Metro Park of Columbus & Franklin Co. Metro Park Dist.

Box 29169
Columbus, OH 43229
(614) 891-0700
Director: Edward F. Hutchins
Contact: Leslie Phillips, Interpretive Naturalist

Open to youth groups and the general public. Day programs. Open every day. Hours: Hours vary. Annual budget $100-250,000. 1 Full-time staff. 632 Acres.

Site and Program Features: Blacklick Woods Metro Park is an urban, natural area park which provides the public with the opportunity to enjoy and participate in the out-of-doors.

Brukner Nature Center

(868)

Brecksville Nature Center

9305 Brecksville Rd.
Brecksville, OH 44141
(216) 526-1012
Contact: Karl Smith, Sr. Naturalist
Operator: Cleveland Metroparks System

Open to youth groups and the general public. Day programs. Open every day. Hours: 9:30-5. Annual budget $50-100,000. 3 Full-time staff. 2775 Acres.

Site and Program Features: This site contains restored native Ohio prairie (native ecotypes only). The parkway road is closed annually for massive salamander migrations in March-April.

Unique Features: This park includes 1.5 acres of restored Ohio prairie (native ecotypes). Savanna restoration will be underway in 1990.

(869)

Brukner Nature Center

5995 Horseshoe Bend Rd.
Troy, OH 45373
(513) 698-6493
Directors: Bob and Joan Heidelberg
Contact: Joan Heidelberg, Administrative Director

Open to youth groups and the general public. Day and multi-day programs. Open every day. Hours: M-Sat 9-5; Sun. 12:30-5. Closed on major holidays. Annual budget $100-250,000. 7 Full-time staff. 165 Acres. Newsletter.

Mission: Brukner Nature Center is organized exclusively for charitable, educational and scientific purposes. As a non-profit organization, Brukner endeavors to provide meaningful experiences that emphasize natural history and the environment for the people in and beyond Miami County. Brukner functions as a nature study and an environmental education center.

Site and Program Features: The nature center offers both school programs and after-school programs for students and adults. The school programs include the Brukner Environmental Education Program (BEEP), the Frontier Ohio Program, Pre-school Environmental Education Program (PEEP), live animal presentations and nature-awareness programs.

(870)

California Wood Nature Preserve

5400 Kellogg Ave.
Cincinnati, OH 45228
(513) 231-8678
Director: Lewis Spurlock
Operator: Cincinnati Recreation

Open to youth groups and the general public. Day programs. Open every day. Hours: M-F 8-5; Sat.-Sun. 12-5 Seasonal changes in schedule. Closed on major holidays. Annual budget $25-50,000. 1 Full-time staff. 110 Acres. Fees charged for facility use.

Mission: To reach inner city and suburban children and teach them how they can relate to nature and their environment. To teach an appreciation of the whole outdoors and make the whole population feel more at home when outside.

Site and Program Features: Our special feature is an untouched natural area where wild flowers, trees and wildlife abound.

(871)

YMCA Camp Campbell Gard Outdoor Ed. Center

4803 Augspurger Rd.
Hamilton, OH 45011
(513) 867-0600
Director: Larry DeLozier
Contact: Bill Cummins, Director of Outdoor Ed.
Operator: Hamilton-Fairfield YMCA

Open to youth groups. Conference facilities. Day and multi-day programs. Open every day except Saturday, Sunday. Hours: 9-3. Annual budget $100-250,000. 6 Full-time staff. 180 Acres. Lodging. Fees charged for facility use.

Mission: (1) Quality cultural and environmental awareness programs enhancing school curriculums through creative, diverse, hands-on experiences. (2) A continuing program for teachers and students, facilitated by a caring and positive professional staff.

Site and Program Features: Our facilities are first-rate and our program staff are carefully selected and trained to become competent, caring professionals. Our programming strengths are our blend of environmental and outdoor education classes with natural science/history and our living history program.

YMCA CAMP CAMPBELL GARD

(872)

Camp Fitch - YMCA

17 N. Champion St.
Youngstown, OH 44501
(216) 744-8411
Director: William L. Lyder
Contact: Greg Donahue, Assist. Director
Operator: Youngstown YMCA

Open to youth groups and the general public. Conference facilities. Multi-day programs. Open every day. Seasonal changes in schedule. Closed on major holidays. Annual budget $500K-1,000,000. 7 Full-time staff. 450 Acres. Lodging. Fees charged for facility use. Newsletter.

Mission: The Fitch Outdoor Center is 450 acres on the shores of Lake Erie. This beautiful site provides us with woods, marsh, meadow, small and large streams, a 2 1/2-acre pond and 1 mile of shoreline on Lake Erie. We help young people to discover and understand their environment.

Site and Program Features: Our programs are designed to heighten awareness, understanding, and respect for the environment and for other people.

(873)

Camp Otterbein

15483 S.R. 328
Logan, OH 43138
(614) 224-6633
Director: Chuck Moritz
Contact: Ted Witt, Executive Director
Operator: West Ohio United Methodist Church

Open to youth groups and the general public. Conference facilities. Day and multi-day programs. Open every day. Seasonal changes in schedule. Closed on major holidays. Annual budget $100-250,000. 2 Full-time staff. 450 Acres. Lodging. Camping. Fees charged for facility use.

(874)

4-H Camp Palmer Inc.

RR #1 (1-26450-MN)
Fayette, OH 43521
(419) 237-2247
Director: Ron Marsh
Operator: 4-H Camp Palmer Corporation

Open to youth groups. Conference facilities. Day and multi-day programs. Open every day. Hours: 8-5. Seasonal changes in schedule. Annual budget $250-500,000. 2 Full-time staff. 152 Acres. Lodging. Fees charged for facility use.

Mission: Programs at 4-H Camp Palmer emphasize environmental awareness and self-esteem. We hope to open participants' eyes to the complex and beautiful world around them.

Site and Program Features: 4-H Camp Palmer Inc. is a 150-acre facility located in rural northwest Ohio. A variety of habitat is present ranging from grass fields to forest and a special wetlands area. A variety of farm animals is on display at the camp's farm.

Cincinnati Nature Center

(876)

Cedar Bog Nature Preserve

980 Woodburn Rd.
Urbana, OH 43078
(614) 297-2606
Contact: Terry Jaworski, Site Manager/Naturalist
Operator: Ohio Historical Society

> Open to youth groups and the general public. Day programs. Open every day except Monday, Tuesday. Hours: By appointment only Winter: M-F only. Annual budget $25-50,000. 1 Full-time staff. 427 Acres. Fees charged for facility use. Newsletter.

Mission: Cedar Bog Nature Preserve is one of Ohio's premier natural areas, containing both an unusual mixture of plants and animals, as well as some known no where else in Ohio. It was set aside in 1941 to preserve this unique natural area. Preservation is supplemented by research into the rare habitats and organisms of the preserve, and by educational programs. The preserve's staff strongly believe that preservation without a strong environmental educational program for the public is impossible.

Site and Program Features: Cedar Bog is a relic of the last ice age, and is the only site this far south containing an alkaline fen surrounded by northern white cedars. Many other northern plants survive here, as do prairie plants from further west, and a number of rare animals. A boardwalk provides easy visitor access while protecting the fragile environments of the preserve. Facilities are limited, and access is only by arrangement, except for open public tours each Saturday and Sunday between April 1 and October 1 at 1 and 3 p.m.

Unique Features: Furthest south alkaline fed with association of white cedar; 60 rare, threatened, or endangered species; national natural landmark.

(877)

Cincinnati Museum of Natural History

1720 Gilbert Ave.
Cincinnati, OH 45202
(513) 621-3889
Director: DeVere Burt
Contact: Earl Thirey, School Programs Coordin.

> Open to youth groups and the general public. Conference facilities. Day programs. Open every day except Monday. Hours: T-F 9-4:30; Sat-Sun 12-5 Closed on major holidays. Annual budget more than $1,000,000. 52 Full-time staff. 2 Acres. Fees charged for facility use.

Mission: The purpose of the CMNH is to foster and expand knowledge of the earth's natural and cultural heritage, with special emphasis on the Ohio Valley region.

Site and Program Features: The building contains a number of exhibits including a realistic, man-made cavern, a 96-seat planetarium, and temporary exhibits on various natural history subjects. A full-time scientific staff or curators are behind the development of our displays and programs.

Unique Features: Planetarium dome on one end of the building; Elisnore Water Tower (archaic) on the other side of building.

(878)

Cincinnati Nature Center

4949 Tealtown Rd.
Milford, OH 45150
(515) 831-1711
Director: James M. Berry

> Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: M-Sat. 9-5; Sun 1-5. Closed on major holidays. Annual budget more than $1,000,000. 8 Full-time staff. 770 Acres. Fees charged for facility use. Newsletter.

Mission: The mission of the CNC is to provide the greater Cincinnati community, especially young people, the opportunity to experience and study the natural environment and to encourage responsible stewardship of natural resources. This mission is to be pursued primarily on natural areas held and maintained by the center.

Site and Program Features: The Cincinnati Nature Center is a facility where residents of the greater Cincinnati area can participate in environmental education programs. We have a 770-acre preserve and a 550-acre farm where these year-around programs are offered.

(879)

Cincinnati Zoo & Botanical Garden

3400 Vine St.
Cincinnati, OH 45220
(513) 281-3700
Director: Edward J. Maowska
Contact: Barry N. Wakeman, Curator of Education
Operator: City of Cincinnati

> Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: Summer: 9-6 Winter: 9-5. Annual budget more than $1,000,000. 200 Full-time staff. 69 Acres. Fees charged for facility use. Newsletter.

(880)

Cleveland Children's Museum

10730 Euclid Ave.
Cleveland, OH 44106
(216) 791-7114
Director: Gerald T. Johnson
Contact: Nina F. Gibans, Community Relations

Open to youth groups and the general public. Day programs. Open every day. Hours: Sun-Fir 1-5; Sat 11-5 Summer: Mon-Sat. 11-5; Sun. 1-5. Closed on major holidays. Annual budget $500K-1,000,000. 8 Full-time staff. Fees charged for facility use.

Mission: A hands-on discovery learning center for children ages 3-12 and their accompanying adults. We are a pre-museum, a place where children can become aware of the world around them. Our exhibits are theme-sized clusters (Water and Bridges are permanent) in which there is a dramatic environment, creative hands-on activities (more than 100), role playing, interaction between people, and visuals of quality, all of which create a context for learning.

Site and Program Features: The strengths of the site relate to the exhibit cluster concept and how the renovated building has been adopted for that use. We are interested in partnerships with classrooms so that the museum visit is integrated with curriculum and classroom activities. We offer teacher orientation and training workshops, and have coordinated a college course on "The Use of Community Resources in the Classroom" for teachers.

(881)

Cleveland Metroparks System

4010 Fulton Parkway
Cleveland, OH 44144
(216) 351-6300
Director: Vern J. Hartenburg
Contact: Dr. Robert Hinkle, Chief Naturalist
Operator: Cleveland Metroparks System

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: 6am - 11pm. Seasonal changes in schedule. Annual budget more than $1,000,000. 21 Full-time staff. 18,970 Acres. Newsletter.

Site and Program Features: There are nearly 19,000 acres of parkland surrounding the suburbs of Cleveland with an "emerald necklace" of green. Four nature centers and the Metroparks Zoo offer educational and recreational opportunities year-round.

Unique Features: This park features massive shale outcroppings, extensive forest and meadow. Eighty percent of the 18,970 acres of park land in 12 reservations is in a natural condition.

(882)

Cox Arboretum & Visitor Center

Park Dist. of Dayton-Montgomery Cty
1375 E. Siebenthaler Ave.
Dayton, OH 45414
(513) 278-8231
Director: Marvin Olinsky
Contact: Lyn Modic, Chief of Interpretation

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: M-F 8-4; Sun. 1-4 Visitor Center closed on Sun. in Jan. Closed on major holidays. Annual budget $250-500,000. 3 Full-time staff. 160 Acres. Newsletter.

Mission: Cox Arboretum is 160 acres of green space which serves as an educational and research facility in horticulture, as well as a landscape setting that affords civic and recreational opportunities to its membership and the community at large.

Site and Program Features: As one of the nation's youngest public gardens, Cox Arboretum is an emerging facility featuring collections of hardy plant material suitable for the metro Dayton (zone 5) region. Cox Arboretum's most important collection is its volunteers. These dedicated individuals have helped the arboretum grow into a leading educational and horticultural institution in the community. Special features include: edible landscape garden, synoptic shrub garden, herb garden, wildflower garden, rock garden, crab apple allee and cacti and succulent collection are housed indoors.

Unique Features: Water garden, synoptic shrub garden, crab apple avenue, edible landscape garden, intermittent stream through woodlands.

(883)

Crane Creek Wildlife Experiment Station

13229 W. State Rt. 2
Oak harbor, OH 43449
(419) 898-0960
Contact: Gildo Tori, Wetlands Wildlife Coordinator
Operator: Ohio Dept. of Natural Resources

Open to youth groups and the general public. Day programs. Open every day. Hours: 4/15-9/2:M-F 8-5; Sat. 8:30-5; Sun 12-6 Seasonal changes in schedule. Closed on major holidays. Annual budget $10-25,000. 4 Full-time staff. 1800 Acres.

Mission: To inform and educate citizens about the values of wetlands and wetland wildlife and to foster an appreciation for the folk art of decoy carving and the role of the sportsman in wildlife conservation.

Site and Program Features: Display of mounted birds and mammals found in area; display of hunting artifacts, waterfowl decoys, guns and antique hunting boats; and a boardwalk on a bird trail through the marsh for viewing migrating song birds and waterfowl include some of the special features. Program is presented to groups scheduled in advance with a naturalist.

(884)

The Dawes Arboretum

7770 Jacksontown Rd. SE
Newark, OH 43055
(614) 323-2990 or 2355
Director: Donald R. Hendricks
Contact: Alan D. Cook, Dir. of Extended Services
Operator: The Dawes Arboretum Board of Trustees

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: M-F 8-5; Sat. 9-5; Sun 1-5. Closed on major holidays. Annual budget more than $1,000,000. 14 Full-time staff. 1149 Acres. Newsletter.

Mission: The Dawes Arboretum is a not-for-profit private operating foundation dedicated to education in horticulture, history and nature. Founded in 1929 by Beman G. Dawes and his wife, Bertie B., to demonstrate the value of various kinds of trees, shrubs, and other plants tolerant of Ohio's climate.

Site and Program Features: More than 2,000 species of trees from all over the world, plus several hundred acres of native woodlands, make the arboretum a truly outstanding attraction. The arboretum is supported entirely by private funds. Open to the public free of charge all year except Thanksgiving, Christmas and New Year's. Features include an auto tour, visitors center with nature center, guided hikes and tours, educational programs, museum tours, walking trails, shelter house, etc.

Unique Features: Cypress swamp—one of the northernmost swamps with southern-native bald cypress Taxodium distichum.

(885)

Ford Nature Center

Mill Creek Metro. Park
District 840, Old Furnace Rd.
Youngstown, OH 44511
(216) 740-7107
Director: William Schollaert
Contact: Raymond Novotny, Manager of Interp. Serv.
Operator: Mill Creek Metro. Park Dist.

MILL CREEK
Metropolitan Park District

Open to youth groups and the general public. Day programs. Open every day except Monday, Tuesday. Hours: 9-5 Thanksgiving, Christmas, New Year's. 3 Full-time staff. 2500 Acres. Newsletter.

Mission: (1) To help visitors of all ages develop an awareness, appreciation and understanding of the natural, historical and cultural resources found within the Mill Creek Metropolitan Park District. (2) To provide educationally sound, attractive exhibits and literature, encouraging the use and knowledge of park district facilities, natural areas and wildlife. (3) To provide new, unique, meaningful and quality programs to serve diverse interests and varied audiences.

Site and Program Features: The Park District is currently just over 2,500 acres in size and is made up of woodlands, wetlands, meadows and lawns. In the northern sector, Mill Creek has carved through sandstone to create a 23-foot-high waterfall and a deeply cut, hemlock-lined gorge. Three portions of the creek have been dammed to create large lakes; several ponds also exist. We offer a year-round calendar of programs, including nature walks, hikes, slide presentations and larger, special events. Several thousand school children visit the Ford Nature Center each year.

"Hello?" Curiosity will generally bloom into a love of nature through gentle encouragement. Photo courtesy of Youngstown Vindicator and the Ford Nature Center.

(886)

Fort Ancient State Memorial

6123 St. Rt. 350
Oregonia, OH 45054
(513) 932-4421
Director: Jack K. Blosser
Operator: Ohio Historical Society

Open to youth groups and the general public. Day programs. Open every day except Monday, Tuesday. Hours: Summer: W-Sat 10-5; Sun 12-5 4/1-Mem. Day & Labor Day-10/31- Sat-Sun. Annual budget $50-100,000. 1 Full-time staff. 125 Acres. Newsletter.

Mission: To promote and educate people about the prehistory of the area; to allow people to gain an appreciation for preserving Ohio's prehistoric and historic past; and to understand how the past cultures lived at and around this important religious and social complex.

Site and Program Features: We offer a chance to escape the rigors of "cement" life to that of wooded life. The picnic area and hiking trails offer a place of tranquillity while learning about Ohio's fist state park, and who the people were who built earth walls 4' to 20' high, extending for over 3 1/2 miles.

Unique Features: Prehistoric earthworks 2,000 years old, walls of earth are 4' to 20' high covering 100+ acres, forming an enclosure. We have hiking trails, picnic area, museum, and 2 fantastic overlooks of the Little Miami Valley 240' above the Little Miami River.

(887)

Franklin Park Conservatory

1777 East Broad St.
Columbus, OH 43203
(614) 645-7447
Director: Timothy Gardner
Contact: Jack Zimmerman, Education Coordinator
Operator: City of Columbus

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: 10-4. Annual budget $500K-1,000,000. 9 Full-time staff. Newsletter.

Mission: To provide quality and exotic botanical/horticultural collections and displays for leisure time enjoyment and active, appropriate programming, and to maintain a community supported system.

Site and Program Features: Nearly 100-year-old conservatory, National Registry of Historic Buildings. Largest indoor collection of bonsai plants in North America. Future site of Ameriflora 1992.

(888)

Garfield Park Nature Center

11350 Broadway
Garfield Heights, OH 44125
(216) 341-3152
Contact: Barb Holtz, Sr. Naturalist
Operator: Cleveland Metropark System

Open to youth groups and the general public. Day programs. Open every day. Hours: 9:30-5. Annual budget $50-100,000. 3 Full-time staff. 187 Acres.

Site and Program Features: This site is a renovated city park circa 1895, originally designed by Fredric L. Olmsted.

Unique Features: This historic park was established in 1895.

(889)

Germantown Reserve & Nature Center

OH

Park Dist. of Dayton-Montgomery Cty
1375 E. Siebenthaler Ave.
Dayton, OH 45414
(513) 278-8231
Director: Marvin Olinsky
Contact: Lyn Modic, Chief of Interpretation

Open to youth groups and the general public. Day programs. Open every day. Hours: 12-4 Extended hours in summer. Closed on major holidays. Annual budget $100-250,000. 1 Full-time staff. 1300 Acres. Camping. Newsletter.

Mission: The primary function of the Park District's Germantown Reserve Nature Center is to interpret the park district's active Land Stewardship Program as well as the natural features of the reserve. The facility also serves as a meeting place for public programming, school groups, and other nature-oriented groups, especially the reserve's active corps of volunteers.

Site and Program Features: The nature center is an underground facility that contains an excellent wildlife feeding station, interactive displays, some live animals and unique composting toilets. It is located in one of the finest and most diverse natural areas in the Miami Valley. The reserve contains a wide variety of plant and animal habitats as well as great natural beauty.

Unique Features: Our site offers the largest tract of mature woodlands in Montgomery County; beautiful, steep ravines; excellent display of wildflowers; a wilderness-type setting close to an urban area.

Energy conservation demonstrations at nature centers are an effective teaching tool. Photo courtesy of Germantown Reserve Nature Center.

(890)

Glen Helen Antioch Univers

405 Corry St.
Yellow Springs, OH 45387-1895
(513) 767-7375
Director: Ralph E. Ramey
Contact: Joan Horn, Dir. Outdoor Ed. Center
Operator: Antioch University

Open to youth groups and the general public. Conference facilities. Day and multi-day programs. Open every day. Hours: Daylight hours. Annual budget $250-500,000. 5 Full-time staff. 1000 Acres. Lodging. Newsletter.

Site and Program Features: Glen Helen is a 1,000-acre nature preserve and outdoor education facility adjacent to the campus of Antioch College in Yellow Springs, OH. Nearly all the land was given to Antioch between 1929 and 1938 by alumnus Hugh Taylor Birch as a living memorial to his daughter, Helen Birch Bartlett. In later years, additional lands, including the historic Grinnell Mill, were purchased by Antioch and in 1978 and 1979 two small, but important, in-holdings in the southern part of the Glen were acquired by The Nature Conservancy and given to Antioch.

Unique Features: Our site features a glacial carved goerge through Silurian limestones and dolomite.

(891)

Gorman Nature Center

2295 Lexington Ave.
Mansfield, OH 44907
(419) 884-3764
Director: Steven M. McKee
Operator: Richland County Park District

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: M-F 9-3; Sat.-Sun. 10-4. Annual budget $50-100,000. 2 Full-time staff. 130 Acres. Newsletter.

Mission: We seek to increase the "sense of wonder" in our visitors, awareness of our natural history and respect for the planet which we share.

Site and Program Features: The Gorman Nature Center is a county park in the rolling hills and mixed mesophytic forests of north-central Ohio. We specialize in natural history education programs for schools, scouts, clubs and the public.

(892)

Hamilton County Park District

10245 Winton Rd.
Cincinnati, OH 45231
(513) 563-4513
Director: Jim Williams
Contact: Al Winstel, E. District Naturalist

Open to youth groups and the general public. Day programs. Hours: M-Sun dawn to dusk Seasonal changes in schedule. Annual budget $50-100,000. 1 Full-time staff. 737 Acres. Fees charged for facility use. Newsletter.

Mission: Visitor center is in the county park system; partly tax supported. Visitor services, school, and special group programs.

Environmental investigations build more than a knowledge base. Involvement and interactions during the process help people learn co-operative effort while viscerally developing environmental commitments. Photo courtesy of Hillboro County Board of Education.

(893)

Hervida 4-H Camp Inc.

c/o Washington County Extension Ser
205 Putnam St.
Marietta, OH 45750
(614) 373-6623
Director: Phoebia Doak
Contact: Teresa Heilman, Extension Assoc.

> Open to youth groups and the general public. Conference facilities. Day and multi-day programs. Open every day. Open April-October. Annual budget $50-100,000. 1 Part-time staff. 98 Acres. Lodging. Fees charged for facility use.

Mission: To provide recreational, social, and educational opportunities for youth and adults in an outdoor residential setting.

Site and Program Features: Camp Hervida is a remote and primitive camp facility situated in a hollow formed by rolling hills of pine and hardwood forests.

(894)

The Holden Arboretum

9500 Sperry Rd.
Mentor, OH 44060
(216) 946-4400
Director: C. W. Eliot Paine
Contact: Paul C. Spector, Director of Ed.

> Open to youth groups and the general public. Conference facilities. Day programs. Open every day except Monday. Hours: 10-5. Annual budget more than $1,000,000. 10 Full-time staff. 3100 Acres. Fees charged for facility use. Newsletter.

Mission: The Holden Arboretum's mission is to promote the knowledge and appreciation of plants for personal enjoyment, recreation and inspiration; for scientific research; and for educational and aesthetic purposes.

Site and Program Features: Special features include 3,100 acres of diverse natural areas and horticultural collections that offer a tremendous resource for educational activities of all kinds. A strong staff is capable of sharing these resources with a variety of populations including children, adults, students of all ages, teachers, and special populations.

Unique Features: Stebbins Gulch - 300' stream-cut ravine, excellent geology and specialized habitat; Little Mountain—caves and crevices, excellent geology and native plants.

(895)

Hueston Woods Nature Center

Rt. 1
College Corner, OH 45003
(513) 523-6347
Contact: Patrick Boryca and Martin McAllister, Naturalists

> Open to youth groups and the general public. Day programs. Open every day except Monday. Hours: 10-4;30 Open 12-4:30 Mondays during summer. Annual budget less than $10,000. 2 Full-time staff. 3600 Acres.

Mission: Our nature center is offered as a visitor center to the people of Ohio. We maintain many displays of native wildlife and focus many of our programs around them. We are operated as a recreational facility for park visitors.

Site and Program Features: We operate a wild animal rehab. program in conjunction with our nature center. This attracts many volunteers and is an attraction for the public as well. Our park has a 200-acre beech-maple forest that is utilized for outdoor study. Thousands of people use our resources annually.

Unique Features: Our site has a 200-acre virgin beech maple forest.

(896)

Huntington Dist. U.S. Army Corps of Engineers

504 Reservoir Rd.
Bainbridge, OH 45612
(513) 365-1470
Director: Robert S. Jones
Contact: Ronald E. Brickey, Ranger

> Open to youth groups and the general public. Day programs. Open every day. Hours: M-F 7:30-4; Sat.-Sun. 9-5:30 Seasonal changes in schedule. Annual budget $500K-1,000,000. 1 Full-time staff. 435 Acres.

Mission: The mission of the Army Corps of Engineers, Natural Resource Management Branch, of the Operations and Readiness Division at Paint Creek Lake, is to provide the public with safe and healthful recreational opportunities while protecting and enhancing the natural, cultural, and developed facilities within established regulations and authorized legislation.

Site and Program Features: This project is authorized for five project purposes, namely (1) flood control, (2) water supply, (3) low flow augmentation, (4) recreation, and (5) water supply. The strength of our program is the wide diversity of activities relating to conservation and use of our natural resources.

Unique Features: Our site features sheer fossilized limestone bluffs, approximately100' in height; terminal moraine of three glacial periods.

(0897)

Laboiteaux Woods Outdoor Education Center

5400 Lanius Lane
Cincinnati, OH 45224
(513) 542-2909

Director: Jim Farfsing
Operator: Cincinnati Recreation Commission

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: 9-5 Seasonal changes in schedule. Annual budget $50-100,000. 1 Full-time staff. 60 Acres. Camping. Fees charged for facility use. Newsletter.

Mission: Laboiteaux Woods Outdoor Educational Center provides environmental programs and nature study programs for all the citizens of greater Cincinnati. The programs are geared for all ages and are designed for fun as well as education.

Site and Program Features: Laboiteaux Woods is a densely wooded, 60-acre nature preserve located in northern Cincinnati. The terrain is hilly and there are two miles of hiking trails. The three creeks running through the preserve are excellent fossil and geology study sites. The picnic area can accommodate 50 people.

(898)

Lake Erie Nature and Science Center

28728 Wolf Rd.
Bay Village, OH 44140
(216) 871-2900

Director: Larry D. Richardson
Contact: Linda Paull, Education Coordinator

Open to youth groups and the general public. Day programs. Open every day except Wednesday. Hours: 1-5. Closed on major holidays. Annual budget $100-250,000. 5 Full-time staff. 108 Acres. Newsletter.

Mission: Lake Erie Nature and Science Center provides quality natural science education through school programs and through nature programs offered to all segments of the general public. Although the focus is on the Great Lakes region, a wide variety of natural history subjects, ecological principles, and environmental ethics are addressed. "Hands-on" experiences are integrated wherever possible.

Site and Program Features: Experienced staff naturalists provide quality nature programs and classes. Natural history collections supplement programs and many center displays. Live native Ohio wildlife are displayed for the public and used for education, while 108 adjacent Metropark acres offer woodland trails, stream study, and a beach on Lake Erie.

Unique Features: Accessible to Lake Erie shore; shale cliffs rising above the lake; typical woodland stream with small meadow.

(899)

Lamb Heritage Ctr. Side Cut Metropark

Edward & Prudence Lamb Heritage Ctr.
1025 W. River Rd.
Maumee, OH 43537
(419) 893-9740

Director: Jean Ward
Contact: Denise Gehring, Programs Manager
Operator: Metroparks of the Toledo Area

Open to youth groups and the general public. Conference facilities. Day programs. Open Sunday. Hours: 12-5 Seasonal changes in schedule. Closed on major holidays. Annual budget more than $1,000,000. 5 Full-time staff. 393 Acres. Newsletter.

Mission: The Metroparks are committed to the preservation of natural areas in Lucas County and the development and operation of these areas in a manner which enhances enjoyment, understanding and appreciation of the great outdoors.

Site and Program Features: All Metropark Centers are designed to provide a meaningful visitor experience even when staff is not present. Windows on Wildlife, large-scale wildlife feeding stations with overlooking windows, are provided at many centers. Free programs are offered regularly. Interpretive information focuses on the many unusual and rare habitat found in the Toledo area, including oak barrens, swamp woods, sand dunes and tall grass prairie.

(900)

Life Camp

280 Kimbary Dr.
Dayton, OH 45458
(513) 885-5700

Director: Bob Nelson
Contact: Connie Day, Executive Director

Open to youth groups. Day programs. Open every day. Seasonal changes in schedule. Annual budget $50-100,000. 1 Full-time staff. 25 Acres. Camping. Fees charged for facility use. Newsletter.

Mission: Life Camp brings together children from diverse backgrounds to camp together for a week in a wilderness environment. The purpose is to develop resourcefulness, a service ethic toward other people and stewardship of the environment.

Site and Program Features: Our primary site is a former Girl Scout Troop Camp, now the group campsite of Sycamore State Park. We have a fragrant pine woods, a river, a large playfield and trails along the creek. A hollow Sycamore is fun to climb up inside of and look out at the creek below.

NATURE'S CLASSROOM

(901)

Lutheran Memorial Camp

2790 St., Rt. 61
Fulton, OH 43321
(419) 864-8030
Director: David E. Irvine
Contact: M. Claire Oberst, Environmental Educator

Open to youth groups and the general public. Conference facilities. Multi-day programs. Open every day. Hours: 7-10. Closed Good Friday, Thanksgiving, Xmas, New Yrs. 13 Full-time staff. 417 Acres. Lodging. Camping. Fees charged for facility use. Newsletter.

(902)

Mohican School in the Out-of-Doors

3296 T.R. 629, Rt. #2
Loudonville, OH 44842
(419) 994-3201
Director: Ronald Reed
Operator: Mohican School

Open to youth groups and the general public. Conference facilities. Multi-day programs. Open every day except Saturday, Sunday. Seasonal changes in schedule. Closed on major holidays. Annual budget $250-500,000. 6 Full-time staff. 410 Acres. Lodging. Camping. Fees charged for facility use. Newsletter.

Mission: We provide a resident outdoor/environmental education program for over 50 public and private school districts in Ohio.

(903)

Muskingum Outdoor Training and Education Center

3266 Dyewood Rd. SW
Carrollton, OH 44615
(216) 627-2208
Director: Joseph "Grizz" Smith
Operator: FFA Camps Inc.

Open to youth groups. Conference facilities. Day and multi-day programs. Open every day. Hours: 8-4:30. Seasonal changes in schedule. Closed on major holidays. 5 Full-time staff. 350 Acres. Lodging. Fees charged for facility use. Newsletter.

Mission: Our goals are threefold: (1) education, (2) conservation, and (3) outdoor education.

Site and Program Features: Special features include the nature center, Leesville Lake and a working farm.

(904)

Ohio Division of Wildlife

Fountain Square Building G
Columbus, OH 43214
(614) 265-6305
Director: Clayton Lakes
Contact: Paul Schiff, Education Supervisor

Mission: The Division of Wildlife combines research and management with protection to perpetuate Ohio's renewable wildlife resource. The division has a game protector in each county to ensure enforcement of wildlife laws. There are education officers located in each district.

(905)

Ohio Historical Society

1982 Velma Ave.
Columbus, OH 43211
(614) 297-2606
Director: Dr. Gary Ness
Contact: Nancy Hampson, Education Specialist
Operator: Ohio Historical Society

Open to youth groups and the general public. Day programs. Open every day. Hours: 9-5. Annual budget $100-250,000. 1 Full-time staff. 20 Acres. Fees charged for facility use. Newsletter.

Mission: The Ohio Historical Society was founded in 1885 to promote the preservation of Ohio's cultural heritage and educate the public about the state's archaeology, history and natural history. The Society operates over 50 sites throughout the state, most of which are open to the public.

Site and Program Features: The museum in Columbus houses the Society's statewide headquarters as well as exhibit malls for archaeology, history, and natural history. The natural history mall highlights the natural resources of the state which were—and continue to be—important not only ecologically to the state, but also to the economic and social development of Ohio. Two of the mall's centerpieces are the mounted skeleton of a 10,000-year-old mastodon, and the Natural History Demo Lab. The Demo Lab offers programs to the public on many subjects using slides, discussion, and actual artifacts for hands-on examination.

(906)

Orton Geological Museum

155 S. Oval Mall
Ohio State University
Columbus, OH 43210
(614) 292-4473 FAX: (614) 292-7688

Director: Prof. S.M. Bergstrom
Contact: Dale Guidovec, Collections Manager
Operator: Ohio State University

Open to youth groups and the general public. Day programs. Open every day except Saturday, Sunday. Hours: 9-5. 1 Full-time staff.

Mission: To educate people about fossils, minerals, and rocks and the history of earth; and to do geologic research in geology.

Site and Program Features: Exhibit hall having fossil, rock, and mineral displays; several mounted skeletons, including dinosaurs. Guided tours may be provided (pre-arrangement necessary).

Quail Hollow
STATE PARK

(907)

Packer-Hammersmith Center

Pearson Metropark
4600 Starr Ave.
Oregon, OH 43616
(419) 691-3997

METROPARKS
TOLEDO AREA

Director: Jean Ward
Contact: Denise Gehring, Programs Manager
Operator: Metroparks of the Toledo Area

Open to youth groups and the general public. Conference facilities. Day programs. Seasonal changes in schedule. Closed on major holidays. Annual budget more than $1,000,000. 3 Full-time staff. 320 Acres. Newsletter.

Mission: The Metroparks are committed to the preservation of natural areas in Lucas County and the development and operation of these areas in a manner which enhances enjoyment, understanding and appreciation of the great outdoors.

Site and Program Features: All Metropark Centers are designed to provide a meaningful visitor experience even when staff is not present. Windows on Wildlife, large-scale wildlife feeding stations with overlooking windows, are provided at many centers. Free programs are offered regularly. Interpretive information focuses on the many unusual and rare habitat found in the Toledo area, including oak barrens, swamp woods, sand dunes and tall grass prairie.

(908)

Procter Conference Center

11235 St. Rt. 38
London, OH 43140
(614) 874-3335

Director: Craig Tuthill
Operator: The Episcopal Diocese of Southern Ohio

Open to youth groups and the general public. Conference facilities. Multi-day programs. Open every day. Annual budget $250-500,000. 4 Full-time staff. 1200 Acres. Lodging. Fees charged for facility use.

Mission: To provide means and assistance to parishes, missions and other organizations in the Diocese of Southern Ohio to foster intra- and interparish planning, fellowship, spiritual renewal, and educational ministry, including secular groups that operate within the parameters of American and Canon law. The center shall be a Christian community providing a safe place of comfort and stimulation in the form of revitalization available to anyone who enters the gate.

(909)

Quail Hollow State Park

13340 Congress Lake Ave.
Hartville, OH 44632
(216) 877-6652

Director: Ted Scherff
Operator: State of Ohio

Open to youth groups. Day programs. Open every day. Hours: Park grounds open 6 am to 11 pm Seasonal changes in schedule. Annual budget $100-250,000. 2 Full-time staff. 700 Acres. Newsletter.

Mission:. Our goals are to provide recreational and cultural activities for the park visitors', and to provide interpretive natural history programs that will raise visitor's awareness of nature, ecology and the environment.

Site and Program Features: Quail Hollow is the former estate of H. B. Stewart, magnate who founded the Akron/Canton/Youngstown Railroad. The 40-room manor house is utilized for special events, interpretive nature programs and as a meeting site for local non-profit organizations. The 700-acre land base has a surprising diversity of habitats which are explored by a well-planned network of interpretive hiking trails. The park is intensively utilized by local schools and scout groups as a field trip site. Programs emphasize various themes and topics on wildlife, ecology, and the environment.

(910)

Rocky River Nature Center

Valley Parkway
Rocky River, OH 44070
(216) 734-6660

Contact: Kenneth Gober, Senior Naturalist
Operator: Cleveland Metroparks System

Open to youth groups and the general public. Day programs. Open every day. Hours: 9:30-5. Closed on major holidays. Annual budget $50-100,000. 5 Full-time staff. 3427 Acres.

Site and Program Features: This site contains the source of Dunklosteous armored fish fossils in world-famous Cleveland shale deposits.

(911)

Sanctuary Marsh Nature Center

3037 Som Center Rd.
Willoughby Hills, OH 44094
(216) 526-1012
Contact: Roy Wilson, Senior Naturalist
Operator: Cleveland Metroparks System

Open to youth groups and the general public. Day programs. Open every day. Hours: 9:30-5. Closed on major holidays. Annual budget $50-100,000. 5 Full-time staff. 1912 Acres.

Site and Program Features: This site contains a restored 2.5 acre marsh with emphasis on waterfowl, and historic A.B. Williams woods, one of USA's first long-term beech-maple forest study areas.

(912)

Secor Metropark Nature Center

(Metroparks of the Toledo Area)
Rt. 1, Box 183
Berkey, OH 43504
(419) 829-2761
Director: Jean Ward
Contact: Denise Gehring, Programs Manager
Operator: Metroparks of the Toledo Area

Open to youth groups and the general public. Conference facilities. Day programs. Open every day except Monday, Tuesday. Hours: 12-5. Closed Thanksgiving, Christmas, New Year's. Annual budget more than $1,000,000. 3 Full-time staff. 600 Acres. Newsletter.

Mission: The Metroparks are committed to the preservation of natural areas in Lucas County and the development and operation of these areas in a manner which enhances enjoyment, understanding and appreciation of the great outdoors.

Site and Program Features: All Metropark Centers are designed to provide a meaningful visitor experience even when staff is not present. Windows on Wildlife, large-scale wildlife feeding stations with overlooking windows, are provided at many centers. Free programs are offered regularly. Interpretive information focuses on the many unusual and rare habitat found in the Toledo area, including oak barrens, swamp woods, sand dunes and tall grass prairie.

THE NATURE SPECIALIST
A Complete Guide to Program and Activities

Keeping abreast of new programs, curricula and activities is easy when there is a supply of the latest publications available. See Appendix A to identify nature centers with bookstores.

(913)

Shaker Lakes Regional Nature Center

2600 S. Park Blvd.
Cleveland, OH 44120
(216) 321-5935

Open to youth groups and the general public. Conference facilities. Day and multi-day programs. Open every day. Hours: M-Sat 9-5; Sun. 1-5. Closed on major holidays. Annual budget $250-500,000. 6 Full-time staff. 300 Acres. Fees charged for facility use. Newsletter.

Mission: Purpose: (1) To foster preservation of the Shaker Lakes Park area as a viable ecological community and environmental education classroom; and (2) to provide a program that builds awareness of the natural world, understanding of how life functions on the planet, and responsibility for living in harmony with all living things on the earth.

Site and Program Features: The center provides a large, relatively natural setting as an outdoor classroom in the heart of urban greater Cleveland. Its barrier-free trail and building facilities allow use by all people. Its educational program is participatory and comprehensive and serves as an international sharing Center for the Institute for Earth Education.

Unique Features: Rolling topography of this 300-acre site is on the register of National Historic sites for the two lakes built by the Shakers in the 1800s.

(914)

F. T. Stone Laboratory

1541 Research Center
1314 Kinnear Rd.
Columbus, OH 43212
(614) 292-8949
Director: Dr. Jeffrey M. Reutter
Contact: Jo Ann Damon, Administrative Asst.
Operator: The Ohio State University, Coll. Bio.Sci

Open to youth groups and the general public. Conference facilities. Day and multi-day programs. Open every day. Closed November - March 6 Full-time staff. 7 Acres. Lodging. Camping. Fees charged for facility use.

Mission: Stone Lab academic subject matter includes a comprehensive review of freshwater systems and specific information on the unique environmental attributes of Lake Erie for advanced undergraduate and graduate biological science majors, professional biologists and ecologists, and biology and general science teachers. The Aquatic Science Workshop is available for middle, high, and special interest groups to obtain hands-on experience.

Site and Program Features: Stone Lab is the only freshwater biological field station on Lake Erie. It is located near glacial grooves, abandoned limestone quarries, several small islands, blue holes, wet prairie, stream environments, and extensive shoreline marshes. A combination of classroom, laboratory, and field experiences provide an understanding and appreciation of the biological and environmental sciences unavailable to those not participating in field setting.

(915)

Tampeel

6500 S. Tod
Warren, OH 44481
(216) 394-5247
Director: Norm Downing
Operator: Lordstown School/Trumbull Cty. Bd. of Ed

Open to youth groups. Day programs. Open every day except Saturday, Sunday. Hours: 8-4 Seasonal changes in schedule. Closed on major holidays. Annual budget $50-100,000. 1 Full-time staff. 40 Acres. Fees charged for facility use. Newsletter.

Mission: Our major goal is to help children enjoy, appreciate, understand and desire to take care of the environment. We also, in the limited time available, try to have children feel good about cooperating with others.

Site and Program Features: Our strength is in working with volunteer-led small groups of fifth graders for activity-based outdoor lessons, waste management and recycling, water characteristics and pollution, animal signs, insect study, plant appreciation, solar heat, bird observing, tree measuring and activities, pond life and aquatic succession, and water cycle with a spring. Our center takes lessons into the classroom in the winter.

(916)

Toledo Botanical Garden Nature Education Program

5403 Elmer Dr.
Toledo, OH 43615
(419) 534-6002
Director: Susan LeCron
Contact: Linda Penn, Nature Ed. Specialist

Open to youth groups and the general public. Day programs. Open every day except Saturday, Sunday. Hours: 9-4:30 Closed on major holidays. Annual budget $50-100,000. 1 Part-time staff. 62 Acres. Newsletter.

Mission: Program goals for 1989-90 are to service public and private schools in and around the Toledo area with a high quality nature/science program that adapts to seasonal change as well as specific and individual curriculum requirements. Also to service area teachers with seasonal science workshops, and to extend the subject area of school year classes at TBG.

Site and Program Features: The nature center classroom features a butterfly/moth farm (housed in a greenhouse), an observation honey bee hive, a large bird feeding area, extensive aquarium set-ups with Xenopus (African Clawed Frog) tadpoles, small frogs and breeding parents.

(917)

Toledo Zoo

2700 Broadway
Toledo, OH 43609
(419) 385-5721 FAX: (419) 385-6935
Director: William Dennler
Contact: Nancy Foley, Public Relations

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: 4/1-9/30, 10-5; 10/1-3/31, 10-4. Annual budget more than $1,000,000. 90 Full-time staff. 30 Acres. Fees charged for facility use. Newsletter.

Mission: To advance the Toledo Zoo as an educational institution as a natural science and wildlife exhibit and conservation agency; as a historical, cultural and recreational establishment; and as a scientific center, dedicated to the enrichment of human and natural resources and knowledge.

Site and Program Features: Rated as one of the nation's best, the Toledo Zoo features the new "Hippoquarium" with the world's only filtered underwater viewing of hippos. The zoo has 13 major buildings on 30 acres and exhibits nearly 2,000 animals of 400 species, including mammals, birds, reptiles, fish and amphibians. Other exhibits include a children's zoo, a museum of sciences, botanical gardens and greenhouse, outdoor amphitheatre, and the Diversity of Life participatory exhibit.

(918)

Wahkeena Nature Preserve

2200 Pump Station Rd.
Sugar Grove, OH 43155
(614) 297-2606
Contact: Tom Shisler, Site Manager
Operator: Ohio Historical Society

Open to youth groups and the general public. Day programs. Open every day except Monday, Tuesday. Hours: 8-4:30 10/30-3/30 by appointment only. Annual budget $25-50,000. 1 Full-time staff. 150 Acres. Fees charged for facility use. Newsletter.

Mission: Wahkeena Nature Preserve was bequeathed to the Ohio Historical Society in 1957 "to be used for nature study and as a preserve for birds and other wildlife." Its main function is environmental education, which takes place with organized school groups, special walks, workshops and other programs, or through casual visitation by the public.

Site and Program Features: Wahkeena is a 150-acre preserve on the edge of Ohio's famous Hocking Hills region. Wahkeena's slopes with cliffs of Blackhand Sandstone harbor dry oak hilltops, mixed mesophytic woods on the slopes, pine plantations and hemlock ravines. The site also contains several small streams and a large pond. The nature center contains exhibits on the natural history of the region, and offers a teaching center for various groups.

(919)

The Wilderness Center, Inc.

P.O. Box 202
Wilmot, OH 44689
(216) 359-5235
Director: Gordon Maupin
Contact: Joann Ballbach, Education Director

Open to youth groups and the general public. Day programs. Open every day except Monday. Hours: T-Sat. 9-5; Sun 1-5. Annual budget $100-250,000. 3 Full-time staff. Fees charged for facility use. Newsletter.

Mission: The Wilderness Center is dedicated to nature education, wildlife conservation, natural history research, and community service.

(920)

Wildwood Preserve Metroparks of the Toledo Area

5100 W. Central Ave.
Toledo, OH 43560
(419) 535-3050

Director: Jean Ward
Contact: Denise Gehring, Programs Manager
Operator: Metroparks of the Toledo Area

Open to youth groups and the general public. Conference facilities. Day programs. Open every day except Sunday. Hours: 8:30-5. Closed Thanksgiving, Christmas, New Year's Annual budget more than $1,000,000. 5 Full-time staff. 393 Acres. Newsletter.

Mission: The Metroparks are committed to the preservation of natural areas in Lucas County and the development and operation of these areas in a manner which enhances enjoyment, understanding and appreciation of the great outdoors.

Site and Program Features: All Metropark Centers are designed to provide a meaningful visitor experience even when staff is not present. Windows on Wildlife, large-scale wildlife feeding stations with overlooking windows, are provided at many centers. Free programs are offered regularly. Interpretive information focuses on the many unusual and rare habitat found in the Toledo area, including oak barrens, swamp woods, sand dunes and tall grass prairie.

(922)

Woodland Altars Outdoor Education Center

33200 S.R. 41
Peebles, OH 45660
(513) 588-2105

Director: Roger Cruser
Contact: David Kuehner, Asst. Director
Operator: Southern Ohio Dist. Church of Brethren

Open to youth groups. Conference facilities. Multi-day programs. Open every day. Annual budget $250-500,000. 6 Full-time staff. 400 Acres. Lodging. Camping. Fees charged for facility use.

Mission: Woodland Altars strives to instill in students a basic understanding and appreciation of the natural world and our role in it. A second goal is to develop an appreciation of our pioneer heritage. A third goal stresses that cooperation should be the foundation of all human communities.

Site and Program Features: Woodland Altars is located in a rural area of south-central Ohio and shares its boundaries with fields, farms, and forests. We specialize in outdoor education programs for elementary school students with an emphasis on experiential learning activities in various natural communities and also a living history program.

(921)

YMCA Willson Outdoor Center

2330 C.R. 11
Bellefontaine, OH 43311
(513) 593-6194

Director: Anne Brienza
Operator: YMCA of Central Ohio

Open to youth groups. Multi-day programs. Open every day. Annual budget $500K-1,000,000. 12 Full-time staff. 427 Acres. Lodging. Fees charged for facility use.

Mission: The YMCA Willson Outdoor Center Goal is to put Judeo-Christian principles into practice through programs that build healthy body, mind, and spirit for all. As an outdoor education center, we work to educate school children in educational, natural history, and socialization skills.

Site and Program Features: We offer resident experiences for all age groups during the week and on weekends. We supply a full staff of nine for full environmental and recreational programs.

Unique Features: Glacial kettlehole lake.

Preserved wild areas help assure that nature photo opportunities will never be far away.

(923)

A. D. Buck Museum of Science & History

Northern Oklahoma College
Tonkawa, OK 74653
(405) 628-2581 Ext. 477
Director: R. D. Ackerson

Open to youth groups and the general public. Day programs. Open Wednesday, Friday, Sunday. Hours: 1-5, Closed in summer. Annual budget less than $10,000. 1 Part-time staff.

Mission: The purpose of the A. D. Buck Museum is to collect, preserve, and utilize in a educational sense objects of scientific and historical interest to the service area of Northern Oklahoma College. (The service area is usually taken to be six surrounding counties, since that is where most students come from.)

Site and Program Features: The major parts of the collection could be described as mounted mammals and birds, items of interest to the history of Northern Oklahoma College, items related to pioneer life in early day Oklahoma, and military items.

(924)

Fountainhead State Park

HC 60, Box 450
Checotah, OK 74426
(918) 689-7450
Contact: Randy Ledford, Park Naturalist
Operator: Oklahoma Tourism & Rec. Dept.

Open to youth groups and the general public. Day and multi-day programs. Open every day. Hours: 8-5 Annual budget $25-50,000. 2 Full-time staff. 2863 Acres. Lodging. Camping. Newsletter.

Mission: Located within a state park, our plan is to offer a variety of programs to park visitors and individuals from the community in areas of environmental education, natural history, and cultural history.

Site and Program Features: The state park contains a variety of plant communities and hosts many wildlife species of eastern and western ranges and is surrounded by a very large lake. An array of programs is offered free of charge: nature programs, history, arts and crafts.

(925)

Goddard Youth Camp

Rt. 1
Sulphur, OK 73086
(405) 993-3333
Director: Wayne Edgar
Operator: Goddard Youth Foundation

Open to youth groups. Multi-day programs. Open every day. Annual budget $250-500,000. 4 Full-time staff. 900 Acres. Lodging. Camping.

Mission: Our goal is to offer a low-cost, very high quality outdoor learning experience for young people. Each year, over 5,000 grade school youngsters enjoy spending a week of school in our facilities.

Site and Program Features: Set in the Arbuckle Mountains of southern Oklahoma and on the Lake of the Arbuckles we offer over 20 years of experience in providing high quality facilities to nonprofit youth organizations.

(926)

Martin Park Nature Center

5000 W. Memorial Rd.
Oklahoma City, OK 73142
(405) 755-0676
Director: Neil Garrison
Operator: City of Oklahoma City

Open to youth groups and the general public. Day programs. Open every day. Hours: 9-6, Closed on major holidays. Annual budget $100-250,000. 2 Full-time staff. 140 Acres. Newsletter.

Mission: Martin Park Nature Center is a 140-acre wildlife refuge, nature preserve, and environmental education area. The area is managed in its natural state so that visitors will be able to experience what pre-statehood Oklahoma looked like.

Site and Program Features: Martin Park Nature Center's most unique feature is the diversity of plant and animal communities that it is able to support in such a small area (140 acres). There are no less than three streams, one pond, and lots of grasslands and woodlands dispersed throughout the area. An active prairie dog colony is situated inside the park. The park hosts some of the nation's largest wintering populations of Harris sparrows. Coyotes, armadillos, and barred owls also inhabit the park.

Unique Features: Although the park is only 140 acres in size, it hosts a wide variety of plant and animal communities (i.e., we have no less than 3 streams, one pond, with grasslands and woodlands dispersed throughout; we have a prairie dog colony in our park).

(927)

Omniplex Science Museum

2100 N.E. 52
Oklahoma City, OK 73111
(405) 424-5545
Director: Marilyn Rippee
Contact: Eric Oesch, Dir. Public Relations

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: M-F 9:30-5; Sat. 9-6; Sun 12-6. Seasonal changes in schedule. Annual budget $500K-1,000,000. 24 Full-time staff. Fees charged for facility use. Newsletter.

Site and Program Features: Omniplex Science Museum is the major tenant in the Kirkpatrick Center, a large cultural center/museum complex located adjacent to the Oklahoma City Zoo and the Remington Park horse racing facility. Omniplex features more than 250 hands-on exhibits and the Kirkpatrick Planetarium.

(928)

Optima Project Office

U.S. Army Corps of Engineers
P.O. Box 30
Hardesty, OK 73944-0030
(405) 888-4226
Director: Ray L. Kunka

Open to youth groups and the general public. Day programs. Open every day except Saturday, Sunday. Hours: M-F 8-4:30; Sat-Sun as ranger available. Closed on major holidays. 3 Full-time staff. Camping.

Mission: Flood control project with numerous day use and currently 2 overnight camping recreation areas in use. Angler Point is a free campground and is open year round. Handesty Park is a fee campground with electrical hookups, flush toilets, hot water showers, and trailer dump station. Hardesty Park Campground open April 1 through second weekend in December. Manned by gate attendant from mid-May through early September. Other periods by self-deposit/ranger patrol. Rangers available for environmental/nature/water-safety/etc. programs, both on-site and for local off-site programs, as scheduling permits.

(929)

Oxley Nature Center

5701 E. 36th St. N
Tulsa, OK 74115
(918) 832-8112
Director: Robert G. Jennings
Operator: City of Tulsa Park & Rec. Dept.

Open to youth groups and the general public. Day programs. Open every day. Hours: M-Sat 10-4:30; Sun 12N-4:30, Closed on major holidays. Annual budget $100-250,000. 4 Full-time staff. 804 Acres. Newsletter.

Mission: To provide opportunities for the public to encounter the natural world through active and passive programming; to interpret the natural environment to visitors.

Site and Program Features: A strong a capable staff is the strongest point of any of our programs. A good knowledge of interpretive techniques aids us as we present programs centered around the local environment.

(930)

Quartz Mountain State Park

Rt. 1, Box 40
Lone Wolf, OK 73655
(405) 563-2238
Director: J. D. Carpenter
Contact: Victoria Mason, Park Naturalist
Operator: Oklahoma Dept. of Tourism and Rec.

Open to youth groups and the general public. Conference facilities. Day and multi-day programs. Open every day. Hours: 8-5 (April-Sept.) Closed Sat.-Sun. from Oct. to March Closed on major holidays. Annual budget less than $10,000. 1 Full-time staff. 4200 Acres.

Mission: The goal of the naturalist program at Quartz Mountain State Park is to provide environmental education programs about the park's natural history to park visitors. During the off-season, this is expanded to include local communities by conducting programs about the park for schools, civic groups, churches, scouts, etc.

Site and Program Features: The park's most special features are the mountains in which the park is located, and the wildlife and plant life indigenous to these mountains. Our program provides visitors the opportunity to explore this unique region of Oklahoma.

Unique Features: This park lies within the Wichita Mountain Range of southwest Oklahoma.

(931)

Salt Plains National Wildlife Refuge

Rt. 1, Box 76
Jet, OK 73749
(405) 626-4794
Contact: Rodney F. Krey, Refuge Manager
Operator: U.S. Fish & Wildlife Service

Open to youth groups and the general public. Day programs. Open every day except Saturday, Sunday. Hours: 7:30-4 Closed on major holidays. Annual budget $100-250,000. 3 Full-time staff. 32,000 Acres. Camping.

Mission: Our mission is to manage the NWF for migratory birds (specifically ducks and geese) and endangered species. Public use and environmental education is allowed where it does not interfere with wildlife objectives.

Site and Program Features: We offer wildlife-management for ducks, geese, and sandhill cranes. Also specific management for whooping cranes, interior least terns, bald eagles, and peregrine falcons which are endangered species. Public use: the selenite crystal area with the hourglass sand inclusion is the only place in the world where they are found.

Unique Features: 11,000 acres of salt flats; digging for selenite crystals on the salt flats in a specific area.

(932)

Three Forks Nature Center

Rt. 1, Box 2100
Hulbert, OK 74441
(918) 772-2108
Contact: Randy E. Baker, Naturalist
Operator: Oklahoma State Parks

Open every day. Hours: M-F 9-7; Sat.-Sun. 8-9 Seasonal changes in schedule. Annual budget less than $10,000. 1 Full-time staff. 2400 Acres. Lodging. Camping.

Mission: Our mission is to provide an education in natural history and to promote conservation practices to people of all ages.

Site and Program Features: We utilize wildlife rehabilitation as an interpretive tool, and also involve the public in ongoing research projects - including radiotelemetry studies on deer.

(933)

Travertine Nature Center
Chickasaw National Recreation Area

Box 201
Sulphur, OK 73086
(405) 622-3165
Director: Robert W. Peters
Contact: Bert L. Speed, Chief Interpreter
Operator: National Park Service

Open to youth groups and the general public. Open every day. Hours: Mem. Day-Labor Day 8-9 L/D-M/D 8-5, Closed on major holidays. Annual budget $50-100,000. 4 Full-time staff. 9500 Acres. Camping.

Mission: The chief objective of the Nature Center is to help build the proper attitudes of people toward the land and all other things natural associated with it. The Nature Center is a place where children, family groups, and persons of all ages can renew their rightful kinship with the land and all of nature.

Site and Program Features: The Travertine Nature Center contains exhibits that relate to the human and natural history of the area. These elements are used and expanded upon in our programs to address environmental situations that affect us not only locally but also on the state, national, and global levels.

Unique Features: The area contains numerous springs, both fresh water and mineral. It is located in the "foothills" of the Arbuckle uplift, which occurred some 300 million years ago. Trails on Bromide Hill traverse rock outcroppings that are 270 million years old. The area is also at an ecological crossroads where systems from the North, South, East, and West all come together.

(934)

Tucker Tower Nature Center

P.O. Box 1649
Ardmore, OK 73402
(405) 223-2109
Contact: Mark A. Teders, Park Naturalist
Operator: Oklahoma Tourism and Recreation

Open to youth groups and the general public. Conference facilities. Day and multi-day programs. Open every day. Hours: Mem. day-Labor day, 9-7 Closed M-T Labor day-Mem. day, hrs. 9-5. Annual budget $50-100,000. 2 Full-time staff. 20,000 Acres. Lodging. Camping.

Mission: Our goal at Tucker Tower Nature Center is to make our visitor more aware of the natural environment, and to motivate people to treat it in an appropriate manner. We pursue this goal by trying to provide information on environmental issues, trends, and problems as well as general outdoor knowledge.

Site and Program Features: Our nature center is itself a historic site, and is situated directly atop a noted geologic formation—the Devil's Kitchen Conglomerate. We have excellent access to Lake Murray's diversity of habitat types. Our program emphasizes hands-on learning experiences and enjoyment of the outdoors.

(935)

Washita National Wildlife Refuge

Rt. 1, Box 68
Butler, OK 73625
(405) 664-2205
Contact: Jon Brock, Refuge Manager
Operator: U.S. Fish & Wildlife Service

Open to youth groups and the general public. Day programs. Open every day except Saturday, Sunday. Hours: 7:30-4 Seasonal changes in schedule. Closed on major holidays. Annual budget $100-250,000. 2 Full-time staff. 8200 Acres.

Mission: The refuge was established as a wintering ground for migratory waterfowl. We do conduct tours and give slide show presentations when requested and as our schedules will allow.

Site and Program Features: The refuge is an excellent way for school children to view and learn about large flocks of wintering waterfowl.

Unique Features: The refuge also has approximately 1,200 acres of crop land.

One in the hands is worth five in formaldehyde! Photo courtesy of New York Power Authority.

(936)

Camp Lutherwood

22960 Hwy. 36
Cheshire, OR 97419
(503) 998-6444

Contact: Lori Fisher, Site/Office Manager
Operator: Camp Lutherwood Association

Open to youth groups. Conference facilities. Multi-day programs. Open every day. No winter use Annual budget less than $10,000. 1 Full-time staff. 30 Acres. Lodging. Camping. Fees charged for facility use. Newsletter.

Mission: In the summer, Camp Lutherwood ministers to youth of all ages through exciting, positive experiences that emphasize Christian community, personal and spiritual growth, and environmental education. In the spring and fall, we are available for groups to use our facility for their own programs. The camp is an excellent setting for outdoor schools and retreats.

Site and Program Features: The camp offers a swimming pool, ropes course, playing fields, hiking trails, cabins, lodge, and two campfire circles. We are here to serve your needs. Lifeguards, ropes course instructors, and cooks are available upon request.

Unique Features: Unique features include two streams, one with beaver dams aplenty; located in foothills of Oregon's coastal mountains.

(937)

Crater Lake National Park

Box 7
Crater Lake, OR 97604
(503) 594-2211 FAX: (503) 594-2211

Director: Robert E. Benton
Contact: Kent J. Taylor, Chief of Interpretation

Open to youth groups. Day programs. Open every day. Hours: 8-5 7/1-Labor day: 8 am-7 pm. Annual budget more than $1,000,000. 40 Full-time staff. 180,000 Acres. Lodging. Fees charged for facility use.

Unique Features: Crater Lake is a very clean caldera lake.

(938)

Friends of Tryon Creek State Park

11321 SW Terwilliger Blvd.
Portland, OR 97219
(503) 636-4398

Director: Betsy B. Davis
Contact: Ruth Pennington, Chairman Board of Dir.
Operator: OR. State Parks & Friends of Tryon Creek

Open to youth groups and the general public. Day programs. Open every day. Hours: 8-4. Annual budget $25-50,000. 640 Acres. Newsletter.

Mission: Our mission is to preserve the Tryon Creek Canyon as a natural area and to provide opportunities for recreation, study and appreciation of this natural wilderness.

Site and Program Features: The Nature Center is a natural area designed to interpret Tryon Creek State Park for visitors. Included in the Center are a system of trails, a shelter and the Nature House. Interpretive literature, exhibits and park-related programs educate our visitors.

(939)

Hart Mountain National Antelope Refuge

Box 21
Plush, OR 97637
(503) 947-3315

Contact: Mike Fisher, Assistant Refuge Manager
Operator: USDI, Fish & Wildlife Service

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: 8-4:30. Annual budget $100-250,000. 1 Full-time staff. 275,000 Acres. Camping.

Mission: To provide a diverse and high quality flora and fauna characteristic of the Great Basin. To provide protection and habitat for native wildlife that may then be viewed, studied and enjoyed.

Site and Program Features: Hart Mountain is a unique ecological site situated between the forest and desert, with elements of both. Visual quality is exceptional and unusual, both the physical surroundings and the wide variety of abundant wildlife. This is a good example of wild management producing good condition habitat.

Unique Features: Unique features include a 25- to 30-mile long escarpment complex rising 2,000' from valley floor, relief stand Ponderosa pine, and hot springs.

Movable jaws lend a comprehension of the bite this Atlosauris had. The interactive component of the exhibit makes it a favorite among kids. Photo courtesy of the Academy of Natural Sciences of Philadelphia.

(940)

Hatfield Marine Science Center Aquarium

2030 Marine Science Dr.
Newport, OR 97365
(503) 867-3011 FAX: (503) 867-3078
Director: Dr. Lavern Weber
Contact: Dr. Kathleen Heide, Marine Education Spec.
Operator: Oregon State University

Open to youth groups and the general public. Day programs. Open every day. Hours: 10-4 Summer: 9:30-6. Annual budget $250-500,000. 4 Full-time staff. 100 Acres.

Mission: (1) Increase public's appreciation of marine organisms and environments, (2) instill a sense of the individual's responsibility in wise stewardship of the earth and sea, (3) extend the results of marine-related research at Oregon State University and cooperating agencies to the public.

Site and Program Features: Our site features aquarium exhibits that display over 1,000 living specimens of Oregon's marine fauna and flora; .8-mile wheelchair accessible nature trail along the Yaquina Bay estuary; non-living exhibits that focus on marine science, issues, and art; and a master's degree program in science education emphasizing marine education.

Unique Features: Oregon State University's Hatfield Marine Science Center is located on the Yaquina Bay along Oregon's central coast. The HMSC Aquarium features approximately 150 species of fish and invertebrates native to Oregon's marine waters.

OR

(941)

The High Desert Museum

59800 S. Highway 97
Bend, OR 97702
(503) 382-4754 FAX: (503) 382-5256
Director: Donald M. Kerr
Contact: Jack Cooper, Dir. of Communications

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: 9-5 Seasonal changes in schedule. 11 Full-time staff. 150 Acres. Newsletter.

Mission: Our mission is to broaden the knowledge, understanding and appreciation of the natural and cultural history and resources of the high desert for the purpose of educating and entertaining the general public and of promoting thoughtful management decisions that will sustain the region's heritage.

Site and Program Features: The High Desert Museum is a "living," participatory museum of the cultural and natural history of the arid Intermountain West. The museum has gathered national attention for its birds-of-prey, river otter and porcupine presentations, its pioneer demonstrations and its new "walk-through-time" historical exhibits.

(942)

Hoyt Arboretum

4000 SW Fairview Blvd
Portland, OR 97221
(503) 228-8732
Contact: Sue Thomas, Program Director
Operator: Portland Park Bureau

Open to youth groups and the general public. Day programs. Open every day. Hours: 6 am - midnight. Annual budget $100-250,000. 1 Full-time staff. 175 Acres. Newsletter.

Mission: Hoyt Arboretum maintains a plant collection of trees and shrubs for study and enjoyment. Education programs focus on plant identification, forest ecology, and nature study. General recreation appropriate to the area is also encouraged.

Site and Program Features: Special features include: (1) worldreknown collection of conifer species; (2) woody plants (about 750 different species) arranged by taxonomic groupings; and (3) involvement of people, both professionals in forestry, horticulture, and education and the general public, from high school age to 80–all dedicated to helping people learn and enjoy.

Unique Features: Both native Oregon forest and mature stands of exotic trees provide several forest habitats.

(943)

John Fossil Beds National Monument

420 W. Main St.
John Day, OR 97865
(503) 575-0721
Director: Benjamin Ladd
Contact: Hank Tanski, Park Ranger
Operator: National Park Service

Open to youth groups and the general public. Day programs. Open every day. Hours: 8:30-600 Mid-Oct.-Feb. Mon-Fri. Closed on major holidays. 2 Full-time staff. 14,000 Acres.

Mission: To identify, interpret and protect the geologic paleontologic, natural and cultural resources of the park and to provide facilities that will promote and assist visitor recreational enjoyment and understanding of the same.

Site and Program Features: Quality displays of fossils presented in the area in which they were discovered and continue to be discovered. The visitor center is a restful 1920s-era ranch. The setting is one of the most picturesque in central Oregon. Park rangers are on hand to answer questions and to make your visit safe and enjoyable.

Unique Features: Geological "badlands" formations with a vast record of earth history.

(944)

John Inskeep Environmental Learning Center

19600 S. Molalla Ave.
Oregon City, OR 97045
(503) 657-6958
Director: Jerry Herrmann

Open to youth groups and the general public. Conference facilities. Day programs. Open every day except Monday. Hours: 8-dusk Seasonal changes in schedule. Closed on major holidays. Annual budget $100-250,000. 47 Part-time staff. Fees charged for facility use. Newsletter.

(945)

McNary Lock and Dam

U.S. Army Corps of Engineers
P.O. Box 1441
Umatilla, OR 97882
(503) 922-3211 FAX: (503) 922-3211
Director: Peter Gibson
Contact: Darrel Sunday, Resource Manager

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: Daylight hours. 10,800 Acres.

Mission: To foster goodwill between our agency and the public. Provide an awareness of and appreciation for public lands and projects. To encourage thoughtful and responsible behavior in those using these facilities. Promote conservation and wise use of all our natural resources.

Site and Program Features: McNary Dam is basically a navigation, hydroelectric project. The 10,800 acres of project lands surrounding the 64-mile-long lake are used largely for public recreation, wildlife conservation and port development. Guided powerhouse and wildlife area tours are available April through September from 8 to 5 by calling or writing the project office which is open Monday through Friday from 7 to 3:30.

(946)

Oregon Caves Chateau

P.O. Box 128, 20000 Caves Hwy.
Cave Junction, OR 97523
(503) 592-3400
Director: Charles Davis
Operator: American Vending Services/Oregon Caves

Open to youth groups and the general public. Day programs. Open every day. Hours: 8 am - 7 pm Seasonal changes in schedule. Annual budget $500K-1,000,000. 6 Full-time staff. 480 Acres. Lodging. Fees charged for facility use.

Mission: Our mission is the preservation and protection of America's national heritage. We not only educate the public about environmental issues, we also have succeeded in getting the public to educate the government on these issues. A very successful program.

Site and Program Features: The site is a national monument. Our programs at different times of the year are geared to our clientele at those times.

The indoor tidepool program brings the outdoors into the Hatfield Marine Science Center.

(947)

Oregon 4H Conference & Education Center

5390 4H Rd. NW
Salem, OR 97304
(503) 371-7920
Contact: Virginia Thompson, Manager
Operator: Oregon State Univ. Extension Service

Open to youth groups and the general public. Conference facilities. Day and multi-day programs. Open every day. Hours: Variable by season . Annual budget $100-250,000. 1 Full-time staff. 320 Acres. Lodging. Camping. Fees charged for facility use.

Mission: Education and training are the primary goals of the Oregon 4-H Conference and Education Center. Under the management of Oregon State University Extension Service, our organizational values include credibility of information, program development, excellence in educational delivery and effective utilization of resources.

Site and Program Features: Hands-on learning takes place within the Center's unique natural environments through camping, risk and challenge adventure, tour and activities. Designated sites exemplify a variety of conditions from which people may learn about their environment. Cascara House, the chapel and dining hall provide settings in which a variety of technical, human relational and leadership skills can be taught.

(948)

Oregon Museum of Science and Industry

Hancock Field Station
Fossil, OR 97830
(503) 763-4691
Director: Joseph Jones

Open to youth groups and the general public. Conference facilities. Multi-day programs. Open every day. Closed Nov. 1 - March 1. Seasonal changes in schedule. Annual budget $100-250,000. 1 Full-time staff. 10 Acres. Lodging.

Mission: OMSI camps and Hancock Field Station help children develop the skills and enthusiasm needed for life-long learning while instilling a curiosity and respect for the natural world around them. The camps are science oriented and based upon hand-on activities which are designed to be informative and fun. In addition, Hancock Field Station endeavors to continue that education to adults in their life-long learning.

Site and Program Features: Hancock Field Station is located in Central Oregon's John Day River Valley, an area world-famous for its fossil-rich rock formations. It lies in the boundaries of the John Day Fossil Beds National Monument. The sagebrush-juniper grasslands provide an excellent setting for the study of paleontology, geology, ecology, botany, and biology, and the clear night skies are great for astronomy.

Unique Features: Our site is located in John Day Fossil Beds National Monument, adjacent to clam nut beds, internationally significant flora fossils.

(949)

Oxbow Park

3010 S.E. Oxbow Pkwy.
Gresham, OR 97080
(503) 663-4708
Director: Jim Lind
Contact: Deb Scrivens, Park Naturalist
Operator: Multnomah County Parks Services

Open to youth groups and the general public. Day programs. Open every day. Hours: 6:30 to legal sunset. Annual budget $250-500,000. 2 Full-time staff. 1000 Acres. Camping. Fees charged for facility use.

Mission: Our goal is to facilitate public appreciation and understanding of the natural resources of Oxbow Park, which are a microcosm of the natural resources of Oregon. We wish, through education, to promote sound environmental behaviors and also promote public support of the county parks.

Site and Program Features: Oxbow Park contains pristine natural resources–a National Wild and Scenic River, old-growth cedar-hemlock forest and a spawning population of native King Salmon. We have a year-round overnight camping facility, hiking trails, and picnic areas. A full-time naturalist is available for programs. We are located only 45 minutes from downtown Portland.

(950)

South Slough National Estuarine Reserve

Box 5417
Charleston, OR 97420
(503) 888-5558
Contact: Michael Graybill, Manager
Operator: The State of Oregon

Open to youth groups and the general public. Day programs. Open every day except Saturday, Sunday. Hours: 8:30-4:30 (September-May) Open 7 days a week June-August Closed on major holidays. Annual budget $100-250,000. 4 Full-time staff. 4400 Acres. Newsletter.

Mission: To teach students and the general public about estuaries. The reserve offers a rare opportunity to visit an estuary that remains close to its wild, natural state. The center offers films and slide/tape presentations in an auditorium.

Site and Program Features: Not only does the state operate the reserve, but the federal office of the Division of Marine and Estuarine Management coordinates the national program that South Slough is a part of. South Slough Reserve was one of the world's leaders in developing estuarine curricula. Estuarine research is conducted on-site.

Unique Features: The reserve area represents four special habitat areas–the coastal forest, salt marshes, mudflats, and the open water.

(951)

Washington Co. Outdoor School

Wash. Co. Ed. Service Dist.
17705 NW Springville Rd.
Portland, OR 97229
(503) 690-5402
Director: Jim Gorter
Operator: United Church of Christ

Open to youth groups Multi-day programs. Open every day except Saturday, Sunday. Fall & spring operations only. Annual budget $250-500,000. 2 Full-time staff. 150 Acres. Lodging.

Mission: Washington County Outdoor School is a residential environmental education program for all sixth graders in the county.

Site and Program Features: Quality professional teaching staff serving 100% of sixth graders in the county.

(952)

Western Oregon Refuge Complex

U.S. Fish & Wildlife Service
26208 Finley Refuge Rd.
Corvallis, OR 97333
(503) 757-7236
Contact: Palmer Sekora, Refuge Manager

Open to youth groups and the general public. Day programs. Open every day except Saturday, Sunday. Hours: M-Th 7-4:30; F 7-3:30 11/1-4/15 western boundary area open Closed on major holidays. 9 Full-time staff.

Mission: The Western Oregon Refuge Complex administers seven National Wildlife Refuges. Three of these, William L. Finley, Ankeny, and Baskett Slough NWR, are located in the Willamette Valley of Oregon. The Valley Refuges were established to provide wintering habitat for the dusky Canada goose, a dark-colored race which nests in the Copper River Delta region of Alaska. Cape Meares, Three Arch Rocks, Oregon Islands, and Brandon Marsh NWRs are located along Oregon's coastline. The coastal refuges were established to protect the nesting habitat needed by colonial sea birds, as well as to protect areas where marine mammals rest, undisturbed by humans. Of the coastal refuges, only Cape Meares Refuge is accessible to the public.

(953)

White Branch Youth Camp

61500 Old McKenzie Hwy.
McKenzie Bridge, OR 97413
(503) 822-3511
Contact: F. Earl Bissett, Manager
Operator: Association of Churches of God in Oregon

Open to youth groups and the general public. Conference facilities. Multi-day programs. Open every day. Annual budget $50-100,000. 1 Full-time staff. 17 Acres. Lodging. Camping. Fees charged for facility use. Newsletter.

Mission: We plan to provide a place where groups can come and have a wilderness experience.

Site and Program Features: We do not provide programming. We provide the place in a wilderness setting for contact with nature in the mountains.

The High Desert Museum offers a variety of natural history programs (see p.262).

As Steve van Matre often says, "Soil is the placenta of life!" (See Institute for Earth Education in Appendix B.)

(954)

Allegheny Reservoir

Corps of Engineers
Kinzua Dam
PO Box 983
Warren, PA 16365
(814) 726-0661
Director: L. Christian Mosebach
Contact: Steve Lauser, Ranger

Open to youth groups and the general public. Day programs. Open every day. Hours: 10-3:30. Memorial to Labor Day. Seasonal changes in schedule. 4 Full-time staff. 100 Acres.

Mission: This regional center provides visitors with information on the multiple uses of this project. Flood control, power generation, water supply, and recreation are interpreted through electro-mechanical exhibitry and pre-recorded programs.

Site and Program Features: Located in a scenic, natural area, this site allows for diverse opportunities to view aquatic, avian, and plant life, through hands-on experiences.

(955)

Andorra Natural Area

Northwestern Ave.
Philadelphia, PA 19118
(215) 242-5610
Contact: Sioux Baldwin, Teacher/Naturalist
Operator: Fairmont Park, City of Philadelphia

Open to youth groups and the general public. Day programs. Open every day. Annual budget $50-100,000. 1 Full-time staff. 210 Acres. Newsletter.

Mission: Our goals are to teach greater awareness of the beauties and intricacies of the natural environment here within the city, and to show its fragility under metropolitan area pressures. We also emphasize the concept of careful stewardship of public lands.

Site and Program Features: Andorra is part of the 1,850-acre Wissahickon Valley section of Fairmount Park. It is bordered by Wissahickon Creek and includes five miles of trails through mature forest and old fields. There is a year-round calendar of public events on natural and social history topics, including Maple Sugar Festival in February and Fall Festival. Environmental education/awareness lessons are offered for schools and other groups.

Unique Features: About half of the area was the site of a very large nursery for 80 years–one that supplied large estates with mature trees and plantings. There are many very large trees; notable ones include European beech and cucumber magnolias. The area is part of the 1,850-acre Wissakickon Valley Park.

(956)

Asbury Woods Nature Center

4105 Asbury Rd.
Erie, PA 16506
(814) 838-4050
Director: Robert Keys
Operator: Mill Creek Township School Dist.

Open to youth groups and the general public. Open every day. Hours: 4/1-11/1: M-Sat. 9-5; Sun. 12-5 11/1-3/30: M-Sat. 9-4; Sun. 12-4. Annual budget $50-100,000. 1 Full-time staff. 40 Acres. Newsletter.

Mission: Our mission is to educate people about the environment and how to be wise stewards of that environment, focusing mainly on the diverse habitats of northwestern Pennsylvania.

Site and Program Features: Two and one-half miles of barked and handicapped-accessible trails wind through a diverse cross-section of habitats (swamps, aspen forest, evergreens, and mature hardwoods) abounding with wildlife. The interpretive center's hands-on exhibits and live animal areas allow visitors to learn more about the environment and its inhabitants, while the center's giftshop allows for the purchase of materials and supplies to continue learning and practicing conservation at home. Public programs are offered on a monthly basis.

(957)

Awbury Arboretum Association

Francis Cope House Awbury Arboretum
Philadelphia, PA 19138
(215) 849-2855
Director: James Alexander
Contact: John Graham, Environmental Ed. Coordin

Open to youth groups and the general public. Day programs. Open every day. Hours: Dawn to dusk. Annual budget $50-100,000. 2 Full-time staff. 57 Acres. Newsletter.

Mission: Our mission is to promote the well-being of the arboretum for the benefit of the community, and to develop its usage as an arboretum. Our goals are to maintain all areas of our park as sites for passive recreation and as resources for education programs.

Site and Program Features: Awbury contains a designed landscape as well as the manor house the grounds were meant to enhance. There is a wide variety of conserved ecological systems in this designed, intensely urban environment.

Unique Features: We feature an English landscape design, with native species, natural appearance, and a wide variety of ecological systems--all arranged around the recently restored manor house.

(958)

Bartram's Garden

54th St. & Lindbergh Blvd.
Philadelphia, PA 19143
(215) 729-5281
Director: Martha Leigh Wolf
Contact: Suzanne King, Memb. & Publicity Coord.

Open to youth groups and the general public. Day programs. Hours: Wed - Fri 12-4. May-Oct. Wed - Sun 12-4. Annual budget $100-250,000. 5 Full-time staff. 44 Acres. Newsletter.

Mission: The mission of the John Bartram Association is to maintain and continue the development of the historic Bartram site where John Bartram and his son, William, lived and worked. John was America's first internationally recognized botanist, known for the exploration, collection and dissemination of over 200 new plant species of native American plants. William's accounts of his travels, and his botanical and zoological drawings, inspired 18th century writers and natural historians. Interpreting the Bartrams' life work provides an authentic experience of 18th century living, while the house and garden afford an appropriate site for the Association to offer living lessons in history, natural history, botany, horticulture, ecology and environmental studies.

(959)

Beechwood Farms Nature Reserve

614 Dorseyville Rd.
Pittsburgh, PA 15238
(412) 963-6100
Director: Fred Rimmel
Operator: Audubon Soc. of Western Penn.

Open to youth groups and the general public. Day programs. Open every day except Monday. Hours: 9-5; except 1-5 Sun Closed on major holidays. Annual budget $250-500,000. 4 Full-time staff. 134 Acres. Newsletter.

Mission: Our mission is to generate an awareness, an understanding, and a sense of stewardship of the environment by providing environmental education to people of all ages, demonstrating, through on-site management, the means by which a high quality environment can be achieved, and by supporting research and legislation that preserve and conserve our environment.

Site and Program Features: The special feature of our site is that it is typical of Western Pennsylvania land once used for farming and presently maintained for a diversity of habitats. Strong volunteer support enables us to offer a wide variety of programs with a small leader/participant ratio. We also feature a natural history library and a nature giftshop.

(960)

Black Rock Retreat Genesis Account

1345 Kirkwood Pike
Quarryville, PA 17566
(717) 786-1266
Director: Robert Bender
Contact: Judy Rubinson, Program Director
Operator: Assoc. of Christians

Open to youth groups and the general public. Conference facilities. Open every day. Annual budget $250-500,000. 1 Full-time staff. 80 Acres. Lodging. Newsletter.

(961)

Bowman's Hill Wildflower Preserve

P.O. Box 103
Washington Crossing, PA 18977
(215) 862-2924
Director: Janet L. Urban
Contact: Greg Edinger, Naturalist
Operator: Pennsylvania Historical & Museum Comm.

Open to youth groups and the general public. Open every day. Hours: M-Sat 9-5; Sun. 12-5 Closed on major holidays. Annual budget $100-250,000. 2 Full-time staff. 100 Acres. Newsletter.

Mission: Bowman's Hill Wildflower Preserve has as its purposes the conservation and preservation of the native flora of Pennsylvania and the education of the public regarding these plants.

Site and Program Features: On 100 acres of rolling hills and woodlands, the preserve has a living collection of nearly 100 species of Pennsylvania's native wildflowers, trees, shrubs, vines and ferns.

(962)

Briar Bush Nature Center

2160 Woodland Rd.
Abington, PA 19001
(215) 887-6603
Director: Dede Long-Messa
Operator: Abington Township/Friends of Briar Bush

Open to youth groups and the general public. Day programs. Open every day. Hours: M-Sat. 9-5; Sun. 1-5 Seasonal changes in schedule. Closed on major holidays. Annual budget $100-250,000. 5 Full-time staff. 12 Acres. Newsletter.

Mission: The Briar Bush goal is to introduce citizens to the natural environment and guide them into a closer relationship with the beautiful world around us. We offer the opportunity to increase knowledge and awareness through observation, information and "hands-on" experiences.

Site and Program Features: As a 12-acre suburban nature center, BBNC offers programs for six months to senior citizens. Boasting a wonderful variety of exhibits including a discovery den and cave, the center appeals to families and young children. A 15-passenger van enables the staff to reach out of the local community and visit nearby natural wonders in all seasons.

(963)

Camp Speers-Eljabar YMCA

RR I, Box 89
Dingmans Ferry, PA 18328
(717) 828-2329
Director: Tom Q. Moore
Contact: Kyle Babbitt Myers, Envir. Education Director
Inc.

Open to youth groups. Conference facilities. Day and multi-day programs. Open every day. Annual budget $500K-1,000,000. 10 Full-time staff. 1100 Acres. Lodging. Fees charged for facility use. Newsletter.

Mission: The mission of the Camp Speer-Eljabar YMCA is to improve quality of life with purposeful programs in a stimulating and ecologically sound outdoor environment through mature, well-trained and dedicated leadership.

Site and Program Features: One of our strengths is our flexibility in providing programs that meet each group's needs. We have a quality staff that is committed to the Association's mission and goals. We have an excellent food service provided within a cedar log conference center which has multi-purpose use. It provides both comfort and ambiance with large views of the outdoors.

Unique Features: We have a spring-fed 43 acre lake which is used for study and recreation. Our Nature Trail goes through the woods to a sphagnum bog. There is a boardwalk through it which leads to a 3 story tower overlooking the bog.

(964)

The Carnegie Museum of Natural History

4400 Forbes Ave.
Pittsburgh, PA 15213
(412) 622-3283 FAX: (412) 622-8837
Director: James King
Contact: Judith Bobenage, Chairman-Div. of Ed.

Open to youth groups and the general public. Conference facilities. Day programs. Open every day except Monday. Hours: T-Sat 10-5; Sun 12-5 Closed on major holidays. Annual budget more than $1,000,000. 6 Full-time staff. Fees charged for facility use.

Mission: The Carnegie collects, preserves, interprets and exhibits objects from natural history and our cultural heritage, and makes its collections and resources available to the widest possible audience. The Carnegie is committed to providing public programs that educate, excite, entertain and inspire. The Carnegie, as one of America's great cultural centers, serves all the residents of its region as well as national and international audiences.

(965)

Churchville Nature Center

501 Churchville Ln.
Churchville, PA 18966
(215) 357-4005
Director: Chris G. Stieber
Operator: County of Bucks–Dept. Parks & Rec.

Open to youth groups and the general public. Day programs. Open every day except Monday. Hours: Tues-Fri 10-5; Sun. & Tues. 12-5 Closed on major holidays. Annual budget $50-100,000. 2 Full-time staff. 55 Acres. Newsletter.

Mission: To nurture an appreciation and awareness of the natural world through environmental and outdoor education activities and programs. To provide for the protection of open space to preserve valuable habitat for plants and animals.

Site and Program Features: Our activities and programs include a wide range of outdoor education activities which include hiking, backpacking, canoeing, cross-country skiing, as well as many nature-related activities for all age groups. Some programs stress native American culture, on-site edible wild food program and garden-apiary on site.

Camp Speers-Eljabar's Dining Hall and Conference Center.

(966)

Commonwealth of Pennsylvania

Department of Environmental Resources
Office of Resources Management
Bureau of State Parks
Environmental Education and Interpretive Section
P.O. Box 1467
Harrisburg, Pa. 17120

Centers operated by the Pennsylvania Bureau of State Parks include:

Jacobsburg EE Center
435 Belfast Rd
Nazareth, PA 18064
(215) 759-7616

Kings Gap EE Center
500 Kings Gap Rd
Carlisle, PA 17013
(717) 486-5031

Jennings EE Center
RD 1
Slippery Rock, PA 16057
(412) 794-6011

Nolde Forest EE Center
RD 1, Box 392
Reading, PA 19607
(215) 775-1411

Operator: Commonwealth of Pennsylvania

Open to youth groups and the general public. Day programs. Open every day except Saturday, Sunday. Hours: 8-4 Closed on major holidays. Annual budget $100-250,000. 2 Full-time staff. 666 Acres. Newsletter.

Mission: The goal of the state park operated environmental education centers is to develop environmentally sensitive and knowledgeable individuals possessing the environmental problem-solving and valuing skills necessary to make intelligent environmental decisions and take appropriate environmental action.

Site and Program Features: The center offer a conceptual and environmental problem-solving-based preschool through adult learning continuum. Special emphasis is given to developing and implementing environmental issues and problem-solving outreach programs and curriculum for secondary schools.

(967)

Delaware Valley Raptor Center

RD 2, Box 9335
Milford, PA 18337
(717) 296-6025

Director: Bill Streeter

Open to youth groups. Day programs. Hours: By appointment. Annual budget $25-50,000. 2 Full-time staff.

Mission: Conservation of birds of prey, provide humane, professional care for orphaned, ill or injured raptors. Foster greater appreciation and respect for all wildlife through public education programs and publication of the DVRC Newsletter.

Site and Program Features: Adopt-a-bird program, computerized raptor drugs and dosages database.

(968)

East Branch Lake

Box 81
Wilcox, PA 15870
(814) 965-2065

Director: Kathleen Anderson
Contact: John Kolodziejski, Park Ranger
Operator: U.S. Army Corps of Engineers

Open to youth groups and the general public. Day programs. Open every day. Hours: Sunrise - Sunset. Annual budget $500K-1,000,000. 2 Full-time staff. 275 Acres. Camping.

Mission: East Branch Clarion River Lake is a flood control dam operated by the U.S. Army Corps of Engineers, Pittsburgh District. The lake consists of approximately 1200 acres of water and 287 acres of government owned land. Our primary mission is flood control with secondary missions of water quality, low-flow augmentation and recreation.

Site and Program Features: The site contains a self-guided nature trail. Ranger-6D programs are conducted on an as available basis. Program emphasis is flood control, water quality, water safety, fisheries, and general environmental education. The water quality and fishery program is an interesting subject. Tours of the dam are also given.

Noldy Forest Environmental Education Center's Administration Building.

(969)

Everhart Museum

Nay Aug Park
Scranton, PA 18510
(717) 346-8370

Director: Kent Ahrens
Contact: William Speare, Curator Natural History
Operator: City of Scranton

Open to youth groups and the general public. Day programs. Open every day. Hours: T-Sat 10-5; Sun. 2-5 Closed on major holidays. Annual budget $250-500,000. 3 Full-time staff. 1 Acre. Newsletter.

Site and Program Features: A natural history, science and art museum with 2,300 birds, 800 minerals, 365 mammals and 160 reptiles in the collection.

(970)

Frick Nature Center

2005 Beechwood Blvd.
Pittsburgh, PA 15217
(412) 422-6538
Director: Dr. Daniel Dziubek
Operator: Pittsburgh Dept. Parks & Rec.

Open to youth groups and the general public. Day and multi-day programs. Open every day except Saturday, Sunday. Hours: 8-4. Closed on major holidays. Annual budget $250-500,000. 7 Full-time staff. 150 Acres. Newsletter.

(971)

Leonard Harrison State Park

RD #6, Box 199
Wellsboro, PA 16901
(717) 724-3061
Director: Stephen Farrell
Contact: Darlene Madarish, Envir. Interp. Technician
Operator: Commonwealth of PA Bureau of State Parks

Open to youth groups and the general public. Conference facilities. Day programs. Open every day except Tuesday, Wednesday. Hours: 11-4 Open May 1 - Oct 31. Annual budget $25-50,000. 1 Full-time staff. 585 Acres. Camping.

Mission: The Leonard Harrison State Visitor Center was built to help the Bureau of State Parks educate park visitors about the environment, local geology, wildlife and plants native to the area and to describe the development of both Leonard Harrison and Colton Point State Parks.

Site and Program Features: The Visitor Center offers various displays on geology, native wildlife, lumbering practices and native plant botany. An Environmental Interpretive Technician provides a wide range of programs for all age groups and will, with proper advance notice, provide programs for a specific interest. The area is home to several animals not often seen, American Bald Eagles nest here, River Otters freely roam Pine Creek and the Osprey is a frequent summer resident in this area.

Unique Features: Our site is located on the Eastern rim of the Pine Creek Gorge known as the Pennsylvania Grand Canyon. We are a Federal Natural Area.

An outdoor classroom is popular at nature centers. Photo by Ray Egan

(972)

Hawk Mountain Sanctuary

Rt. 2
Kempton, PA 19529
(215) 756-6961 FAX: (215) 756-6166

Contact: Trica Oshant, Education & Info. Spec.

Open to youth groups and the general public. Day programs. Open every day. Hours: 8-5 Fall: 8-6 Annual budget $500K-1,000,000. 10 Full-time staff. 2200 Acres. Camping. Fees charged for facility use. Newsletter.

Mission: Hawk Mountain's primary mission is to foster the conservation of birds of prey and other wildlife and to create better understanding of man's relationship to the environment. We work towards this goal with active programs in environmental education, research, and conservation policy.

Site and Program Features: Hawk Mountain was established in 1934 as the world's first sanctuary for birds of prey. Thousands of migrating hawks, eagles, osprey, and falcons can be viewed from our rocky "lookouts." Though we offer year-round educational programs, hawk-watching is at its best in the fall and daily programs during that season interpret the phenomenon of migration and the life histories of birds of prey.

Unique Features: Several rocky outcrops (North Lookout, South Lookout) sit high atop this ridge of the Appalachians offering splendid views (270 degrees) of countryside and migrating birds of prey.

(973)

Holtwood Land Management Project

9 New Village Rd.
Holtwood, PA 17532
(717) 284-2278
Director: Mark Arbogast
Contact: Jennifer Carranza, Consulting Naturalist
Operator: Pennsylvania Power and Light Company

Open to youth groups and the general public. Day and multi-day programs. Open every day. Hours: M-F 8-5 (office); 8-sunset (park) Closed on major holidays. Annual budget $500K-1,000,000. 2 Full-time staff. 5000 Acres. Newsletter.

Mission: The Holtwood Land Management Project is a large recreation and resource management area associated with the Holtwood hydroelectric plant. It provides recreation and public use, real estate and property management and resource management. A naturalist is part of the recreation program.

Unique Features: Kelly's Run Trail–runs through a gorge 300-400-feet deep, cliffs and boulders of Wissahickon schist overhange. Kelly's Run Stream–includes old charcoal-making areas. Umbrella magnolia and paw paw trees found here, which is very far north for these 2 species. Otter Creek–runs along mixed mesophytic forest with very old hemlocks. This is an excellent site for stream studies. Shenk's Ferry Wildflower Preserve–a valley with eroded limestone-based soil provides perfect soil and sunlight for over 73 species of flowers blooming April-May.

(974)

Honey Hollow Environmental Education Center

RD #1, Box 263A
New Hope, PA 18938
(215) 297-8266
Director: Bruce McNaught
Operator: Bucks County Conservancy

Open to youth groups and the general public. Day programs. Open every day except Saturday, Sunday. Hours: 9-5 Closed on major holidays. Annual budget $100-250,000. 3 Full-time staff. 140 Acres. Fees charged for facility use. Newsletter.

Mission: The Center develops custom made Environmental Education programs for area schools and community groups. The Center has been established as an Educator Resource Center, providing workshops for teachers and group leaders, curriculum development guidance, and E.E. library materials.

Site and Program Features: The Honey Hollow Watershed where the center is located is a National Historic Landmark. Designated in 1969 as the country's first managed watershed for soil, water, and wildlife conservation. In addition to our E.E. programs, the Center also conducts archaeology programs at an excavation site in front of the 1747 restored farm house on the property.

Unique Features: Own historic mid 1700's stone house, furnished to time period, used for special historic events. Current archaeological dig worked on by schools.

(975)

Lacawac Sanctuary Foundation

R.D. #1, Box 518
Lake Ariel, PA 18436
(717) 689-9494
Contact: Sally J. Norsworthy, Curator

Open to the general public. Conference facilities. Day and multi-day programs. Hours: Daylight hours or for special programs. Seasonal changes in schedule. Annual budget $25-50,000. 1 Full-time staff. 500 Acres. Fees charged for facility use. Newsletter.

Unique Features: Unique features include a 52-acre natural undisturbed glacial lake; USDI 86th National Natural Landmark.

(976)

Little Buffalo State Park

RD #2, Box 256
Newport, PA 17074
(717) 567-9255
Director: Michael J. Brennan
Contact: Robert Cross, Park Naturalist

Open to youth groups and the general public. Day programs. Open every day. Hours: 8-sunset. Seasonal changes in schedule. Annual budget $250-500,000. 2 Full-time staff. 830 Acres.

Mission: Little Buffalo State Park is a multi-use, day use state park which provides a quality, family-type outdoor recreation and environmental education experience to park visitors.

Site and Program Features: Little Buffalo State Park is rich in both natural and historical attributes. The park is listed on "The National Register of Historic Places" and features five separate historical entities.

Unique Features: Historic, operating grist mill 50 h.p., 32' overshot waterwheel.

Mascots (here, a friendly dinosaur) are utilized by centers throughout the country. Photo courtesy of The Academy of Natural Sciences of Philadelphia by Mitch Berger.

(977)

McKeever Environmental Learning Center

RD 3, Box 121
Sandy Lake, PA 16145
(412) 376-7585
Director: Donna P. Bessken
Operator: PA State System of Higher Education

Open to youth groups and the general public. Conference facilities. Multi-day programs. Open every day except Saturday, Sunday. Hours: 8-4; Sat.-Sun by appointment Seasonal changes in schedule. Closed on major holidays. Annual budget $250-500,000. 3 Full-time staff. 200 Acres.

Mission: The McKeever Center staff teaches environmental education programs to school groups and hosts local and regional programs on environmental issues. Students are guided through outdoor activities which bring them closer to the natural world. Sitting beside a tree and observing the surroundings in silence, each student feels the earth, the tree, the breeze, and the sun while building a foundation for life-long learning. Student teachers develop group management skills in the out-of-doors, sharpen their techniques, and build their own close relationships with the natural world.

Site and Program Features: Folded into a natural wooded environment about 100 miles north of Pittsburgh, near Sandy Lake, Mercer County, is the McKeever Environmental Learning Center. Its primary purpose is to provide programs to assist citizens of all ages to become better stewards of the earth's resources.

(978)

Mill Grove, the Audubon Wildlife Sanctuary

Box 25
Audubon, PA 19407
(215) 666-5593
Director: Edward W. Graham
Contact: Alan Gehret, Asst. to the Curator
Operator: County of Montgomery

Open to youth groups and the general public. Open every day except Monday. Hours: T-Sat. 10-4; Sun. 1-4. Annual budget $100-250,000. 2 Full-time staff. 170 Acres.

Mission: Mill Grove attempts to put into perspective the contribution and impact John James Audubon's artwork and writings have had on succeeding generations. One of the most profound influences on late-10th century ornithological artists, Audubon recorded for all time what America was like, in terms of natural history, as few others would ever have such an opportunity.

Site and Program Features: Our site features the first home in America of John James Audubon. Here he conducted the first bird-banding experiment in America and developed his unique "wire armature" which gave rise to his superb, life-like paintings of American birds. The museum contains complete collections of all major works published by Audubon.

(979)

Monroe County Environmental Ed. Center

RD 2, Box 2335-A
Stroudsburg, PA 18360
(717) 992-7565
Director: Allen Weichman
Contact: Roger Spotts, Head Naturalist
Operator: Monroe County Conservation District

Open to youth groups and the general public. Day programs. Open every day. Hours: 8:30-4:30 Closed on major holidays. Annual budget $50-100,000. 3 Full-time staff. 120 Acres. Fees charged for facility use. Newsletter.

Mission: Our program's main emphasis is to provide people of all ages with an awareness and understanding of their natural environment and their place in it.

Site and Program Features: Monroe County Environmental Education Center is the center of Monroe County's outdoor education sites. We maintain three different outdoor areas with trails, boardwalks, and learning stations. These sites are used to provide a variety of programs on the interesting and unique Pocono environment.

Modern architecture gives many centers a competitive edge in attracting visitors. Photo courtesy McKeever Environmental Learning Center.

(980)

Montour Preserve

Pennsylvania Power
& Light Co.
RD #1, Box 292
Turbotville, PA 17772
(717) 437-3131

Director: Kevin R. Drewencki
Contact: John E. Gallagher, Consulting Naturalist

Open to youth groups and the general public. Day programs. Open every day. Hours: M-F 9-4; Sat.-Sun. 2-5 Closed weekends during winter. Annual budget $250-500,000. 4 Full-time staff. 966 Acres. Camping. Newsletter.

Mission: It is our mission to manage and operate the Montour Preserve in a prudent and cost-effective manner, striving to provide environmental education, public programs and recreational facilities of the highest quality for the public to enjoy during their leisure time. By our land management practices, we strive to exemplify soil and water conservation, wildlife habitat improvement, forest management, protection of natural areas and proper farming techniques.

Site and Program Features: A special feature of our project is that our recreational and trail facilities are located around 165-acre Lake Chillesquaque. We have a 148-acre refuge established for wildlife habitat. The Montour Preserve office is a restored Victorian farmhouse built in 1877. We also have a barn-like visitors center which serves as a nature and history museum. All of the land that is owned and operated by PP&L is managed under a multiple-use land management program. As responsible stewards of the land it owns, PP&L works with many state and federal conservation agencies to ensure wise use of our natural resources.

(981)

Morris Arboretum of the University of Pennsylvania

9414 Meadowbrook Ave.
Philadelphia, PA 19118
(215) 247-5777

Director: Dr. William Klein
Contact: Jan McFarlan, Education Coordinator

Open to youth groups and the general public. Day programs. Open every day. Hours: 10-4 Annual budget more than $1,000,000. 10 Full-time staff. 166 Acres. Fees charged for facility use. Newsletter.

Site and Program Features: The Morris Arboretum is an Interdisciplinary Resource Center of the University of Pennsylvania. Within its 166 acres is an extensive and beautifully landscaped collection of trees and shrubs from around the world. It began in the late 1800s as the private estate of John T. Morris and his sister Lydia. The Morrises had a strong interest in horticulture and, through their support of plant-collecting trips, acquired many rare and interesting specimens from other parts of the world. There are several specialty areas, including the English Park, Rose Garden, Azalea Meadow, a natural woodland area, as well as three Japanese gardens. Several outstanding architectural features on the grounds have recently been restored.

(982)

Peace Valley Nature Center

170 Chapman Rd.
Doylestown, PA 18901
(215) 345-7860

Director: Carolyn Corey Jarin

Open to youth groups and the general public. Day programs. Open every day except Monday. Hours: 8-5 Seasonal changes in schedule. Annual budget $50-100,000. 3 Full-time staff. 300 Acres. Newsletter.

Mission: (1) Serve as a refuge and diverse habitat for wildlife, (2) set aside a place where county citizens and other visitors can enjoy the peace and beauty of a natural area, and (3) encourage and promote environmental awareness through a variety of educational experiences.

Site and Program Features: Have a 13-year track record of fully scheduled EE programs through local schools featuring small classes with well-trained teachers. Site has 9 miles of trails through diverse habitats—lake, 3 ponds, streams, forest, fields, scrub wetlands and some farmed fields within 300-acre site.

"What's in the bug box?" Four-year olds visit Peace Valley Nature Center.

(983)

Pennypack Watershed Association

2955 Edge Hill Rd.
Huntingdon Valley, PA 19006
(215) 657-0830
Director: David B. Witwer
Contact: Dr. Mille Wintz, Educational Director

Open to youth groups and the general public. Day programs. Open every day. Hours: M-Sat. 9-5; Sun. 1-4 Closed on major holidays. Annual budget $250-500,000. 8 Full-time staff. 418 Acres. Newsletter.

Mission: The Pennypack Watershed Association, a non-profit citizens' organization, was conceived to help preserve the quality of all life within this natural environment–for now, and for future generations. Founded in 1970 by concerned citizens–business people, homemakers, students–the Association embodies a serious commitment to the conservation of wildlife and enhancement of the watershed's beauty and natural resources.

Site and Program Features: The Pennypack Watershed is one of the few remaining wildlife areas in southeastern Pennsylvania. Extending from the Pennypack Creek's source near Maple Glen, Montgomery County, to its confluence with the Delaware River in Philadelphia, the watershed encompasses a total of 56 square miles and touches the lives of some three hundred thousand people in three counties. Streams, fields, woodland and a diversity of wildlife exist in a sizeable portion of this vital area; however, all could be lost to continued urbanization. What ultimately becomes of our watershed tomorrow will depend on how much we care for it today.

(984)

Pocono Environmental Education Center

RD #2, Box 1010
Dingmans Ferry, PA 18328
(717) 828-2319
Director: John Padalino
Operator: National Park Service

Open to youth groups and the general public. Conference facilities. Multi-day programs. Open every day. Hours: 7 am - 11 pm Annual budget more than $1,000,000. 19 Full-time staff. 200,000 Acres. Lodging. Fees charged for facility use. Newsletter.

Mission: PEEC was conceived to stimulate in a very broad public an abiding desire to learn about the world around us; to communicate a conviction that nature and people can both be understandable and full of newly discovered inspiration. Our work is to develop and provide opportunities for education that are difficult or impossible to achieve in school classrooms or through books, films, on video programs; and to work closely with educational institutions at all levels to develop learning skills and tools that will help satisfy their needs that they themselves cannot supply.

Site and Program Features: PEEC is a leading residential environmental education center that serves over 20,000 USGR/visitors each year. PEEC is committed to the education of individuals, minorities, people with special needs, and social communities in order that we who inherit the land may better understand the complex nature of natural and built environments. The site is a national park with natural and cultural resources, i.e., eagles. The program is diverse with focus on science, technology, society and environment.

Unique Features: Unique physicalfeatures include: Delaware Water Gap, 39 areas proximate to PEEC designated suitable for preservation and study by the Nature Conservancy, nationalenvironmental study area, Center for Excellence in Environmental Education, preserve of eagles, hawk migrations, etc.

"Quiet Spots" have a place in many natural science centers. Photo courtesy of Poole Wildlife Sanctuary.

(985)

Pool Wildlife Sanctuary

601 Orchid Pl.
Emmaus, PA 18049
(215) 965-4397
Director: Thomas J. Kerr
Contact: Barbara Morton, Ed. Program Manager
Operator: Wildlands Conservancy

Open to youth groups and the general public. Conference facilities. Day programs. Open every day except Saturday. Hours: M-F 8-4; Sun. 12-4 Closed on major holidays. Annual budget $250-500,000. 4 Full-time staff. 72 Acres. Fees charged for facility use. Newsletter.

Mission: The mission of the Wildlands Conservancy is to foster the conservation of our natural resources–water, land and air. This shall be accomplished through a five-pronged program of: education, preservation, land-use planning, habitat management and research.

Site and Program Features: Our guided school programs are based on a curriculum matrix ranging from awareness through conceptual understanding, to environmental problem solving. Teachers may also instruct their own classes using the Little Lehigh Watershed Curriculum with the sanctuary as a resource center. Special programs available.

Unique Features: Sections of the sanctuary are derived from old farmland and orchards which have been planted for wildlife and allowed to return to a natural state. The "Backyard Conservation Trail" explains this process and relates ways that homeowners can manage their property to encourage and help wildlife.

(986)

Powdermill Nature Reserve

Star Route
South Rector, PA 15677
(412) 593-2221
Director: Dr. Joseph Merritt
Contact: Teresa Madl, Education Coordinator
Operator: Carnegie Museum of Natural History

Open to youth groups and the general public. Conference facilities. Day programs. Open every day except Monday, Tuesday, Sunday. Hours: 11-4 Spring & Fall Sa-Su 11-4; Winter Su 2-4. Annual budget $50-100,000. 2 Full-time staff. 2000 Acres.

Mission: The goal of Powdermill Nature Reserve's Environmental Education program is to develop people who are environmentally aware, literate, understanding and plan to develop a stewardship to environmental problems.

Site and Program Features: We are equipped with a Nature Center of exhibits on local habitats and a classroom. We have a 3/4 mile hiking trail used for teaching and an herb and butterfly garden. Streams and ponds, meadows and forests are also available for teaching purposes.

(987)

Reading Nature Center

c/o Third & Spruce Rec. Center
Reading, PA 19601
(215) 320-6021
Director: Tom Davies
Contact: Brenda Rivera, Assoc. Dir. Rec.
Operator: City of Reading, Bureau of Parks

Open to youth groups and the general public. Day programs. Open every day. Hours: M-F 8-4; Sat.-Sun. 2-6 April 15-Thanksgiving; Sun. 2-6 Annual budget less than $10,000. 1 Full-time staff. 1000 Acres.

Mission: We wish our visitors to develop an environmental awareness by enjoying themselves.

Site and Program Features: For 52 years we have developed from a rather stuffy smelly museum and trails to a smelly museum and trails that have given 42,000 (signed-in registers) children a day in the forest that was remembered as fun with some skills gained and, we hope, the glimmering of appreciation of minimal impact. We work mostly with social groups: Scouts, Campfire, Jewish Community Center, PAL, church schools, day-care centers, handicapped centers, VISTA, and city and county playgrounds.

Unique Features: 3 miles west of city of Reading at the first purchased watershed in the U.S.; 1,000 acres of 120-year-old managed woodland and watershed gone to ruin in the past 50 years.

Riverbend Environmental Education Center

(988)

Reading Public Museum & Art Gallery

500 Museum Rd.
Reading, PA 19611-1425
(215) 371-5850
Director: Bruce Dietrich
Contact: Dr. George Miller, Admin. Director
Operator: Reading Public School District

Open to youth groups and the general public. Day programs. Open every day. Hours: M-F 9-5; Sat. 1-4; Sun 1-5 Seasonal changes in schedule. Closed on major holidays. Annual budget more than $1,000,000. 9 Full-time staff. 25 Acres. Newsletter.

Mission: We service 13,000 students from grades K to 8 in the areas of science, social sciences, and art. We make exhibits available to over 320,000 people in the metropolitan area. We also provide inservice programs for urban teachers and special exhibit programs for the adult community.

Site and Program Features: Our insect collection is one of the most extensive in the nation. We have an excellent collection in the social and natural science areas, as well as art (except for contemporary art). We have an extensive collection for a small-medium museum.

(989)

Reading School District

1211 Parkside Dr.
South Reading, PA 19611
(215) 371-5854
Director: Bruce L. Dietrich
Contact: Carole Carlson, Public Inform. Officer

Open to youth groups and the general public. Day programs. Open every day except Saturday. Hours: 9-4; except 2-4 Sun Closed Sundays in summer. Annual budget $100-250,000. 1 Full-time staff. 25 Acres.

(990)

Riverbend Environmental Education Center

P.O. Box 2, Spring Mill Rd.
Philadelphia, PA 19035
(215) 527-5234
Director: Penny Nairne

Open to youth groups and the general public. Day programs. Open every day. Hours: Trails -Daylight/Office T-Th 9-4; F 9-12 Trails closed to public 7/5-8/20 8:30-4. Annual budget $50-100,000. 2 Full-time staff. 26 Acres. Newsletter.

Mission: To stimulate appreciation, awareness, and understanding of our total environment. To preserve a natural wildlife habitat.

Site and Program Features: Each school group or group presentation is the only organization using Riverbend's facilities. There is no competition for classroom space or staff attention. Each group is receives special attention.

(991)

The Schuylkill Center for Environmental Education

8480 Hagy's Mill Rd.
Philadelphia, PA 19128
(215) 482-7300
Director: Richard L. James

Open to youth groups and the general public. Day programs. Open every day. Hours: M-Sat. 8:30-midnight; Sun. 1-5 Closed on major holidays. Annual budget $500K-1,000,000. 5 Full-time staff. 500 Acres. Fees charged for facility use. Newsletter.

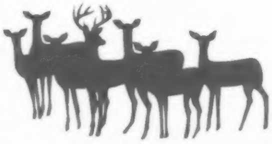
Mission: It is the mission of the Schuylkill Center (1) to promote through environmental education the preservation and improvement of our natural environment–by fostering appreciation, understanding and responsible use of the ecosystem, by disseminating information on current environmental issues, and by encouraging appropriate public response to environmental problems; and (2) to maintain the facilities of the center and to conserve its land for the purpose of environmental education.

Site and Program Features: SCEE enjoys a unique position of being located on 500 acres in a large metropolitan area. The region presents an impressive array of audiences within the center's service area. Program diversity and staff mobility allow the center to offer programs in three states at numerous academic levels from K through graduate study as well as communicating with a general public audience of over 5 million.

(992)

Shaver's Creek Envir. Center

203 Henderson Bldg.
University Park, PA 16802
(814) 863-2000
Director: Mr. Corky Potter
Operator: PA State Univ/Dept Leisure Studies



Open to youth groups and the general public. Conference facilities. Day and multi-day programs. Open every day. Hours: 8-5 Annual budget $100-250,000. 5 Full-time staff. 1000 Acres. Lodging. Camping. Fees charged for facility use. Newsletter.

Mission: The major goals of the Center are; 1) to provide exemplary environmental experiences that promote positive attitudes about the earth, 2) to provide opportunities for Penn State students, faculty and staff for experiential learning, research and service and 3) to promote situations that encourage individual and group development.

Site and Program Features: Adopt a Bird Program, Bird of Prey Rehab Center, 30 miles hiking/ski trails, 100 interactive exhibits, integrated natural and cultural history programs, nationally recognized naturalist-trainee program, experiential laboratory for students, faculty and staff at Penn State, variety in program offerings and outreach throughout central Pennsylvania, adjacent proximity to 7000 acres of Experimental Forest and 80,000 acres of State Forest.

The Schuylkill Center

(993)

Shuts Environmental Center

c/o Lancaster County Parks Dept.
1050 Rockford Rd.
Lancaster, PA 17602
(717) 299-8219
Director: Ted Groff
Operator: Lancaster County Parks Dept.

Open to youth groups and the general public. Day programs. Open every day except Saturday, Sunday. Hours: 8:30-5:00; weekends by appointment Closed on major holidays. Annual budget $25-50,000. 2 Full-time staff. 550 Acres. Camping.

Mission: The Lancaster County Department of Parks and Recreation operates the Shuts Environmental Center in Central Park to provide a variety of educational and recreational programs which fulfill the following goals: (1) to serve as a resource center to schools and local teachers for environmental education, (20 to provide leisure interpretive programs on the natural history of Lancaster County, and (3) to support an educational program that encourages the discovery of our natural world and the development of personal environmental commitment.

Site and Program Features: The Shuts Environmental Center, built in 1769 by a colonial gunsmith and restored in 1972, is located in a 550-acre county park which contains a variety of habitats suited for environmental studies. The center employs a staff of trained educators that encourage discovery of our natural world and the development of the individual's personal commitment and concern for our environment.

(994)

Silver Lake Nature Center

1006 Bath Rd.
Bristol, PA 19007
(215) 785-1177
Director: Robert Mercer
Operator: Bucks County Dept. of Parks/Rec.

Open to youth groups and the general public. Day programs. Open every day except Monday. Hours: T-Sat. 10-5; Sun. 12-5 Closed on major holidays. Annual budget $50-100,000. 3 Full-time staff. 150 Acres. Newsletter.

Mission: The Silver Lake Nature Center is dedicated to: (1) The development of an understanding of our relationship to the natural world through awareness, appreciation, knowledge and respect. (2) Preservation of a unique part of our historical and natural heritage, including Pennsylvania's endangered species.

Site and Program Features: Located in overly developed southeastern Pennsylvania, the Silver Lake Nature Center provides the citizens a contact with a natural setting. Within the park are several habitats and species considered rare or endangered in Pennsylvania. Our program strengths are school programs for elementary students, crafts, and field trips.

Unique Features: Best remaining example of coastal plain forest in the Commonwealth of Pennsylvania, also contains an unglaciated bog.

(995)

South Mountain YMCA Camps

P.O. Box 147
Wernersville, PA 19565
(215) 670-2267
Director: John H. Hedbavny
Contact: Michael Scarborough, Asst. Director

Open to youth groups. Conference facilities. Day and multi-day programs. Open every day. Seasonal changes in schedule. Annual budget $500K-1,000,000. 3 Full-time staff. 500 Acres. Lodging. Fees charged for facility use. Newsletter.

Mission: The purpose of the South Mountain YMCA is to promote the physical, mental and spiritual development of those we serve in our outdoor setting. By providing opportunities to increase self-esteem, to encourage respect for each individual and to develop a better understanding and appreciation of our natural environment, we seek to enable all participants to fulfill their human potential regardless of their background, religion, or ethnic origin.

Site and Program Features: Our 500-acre mountaintop site and our ability to tailor outdoor education programs to meet the goals, objectives and needs of each group and school program are the special features of our program.

Barn, windmill and pond at Tayamentasachta.

(996)

Tayamentasachta - A Center for Environmental Studies

500 Leitersburg St.
Greencastle, PA 17225
(717) 597-2182
Director: Charles White
Operator: Greencastle-Antrim School District

Open to youth groups and the general public. Day programs. Open every day except Saturday, Sunday. Hours: 8-3:30 Closed on major holidays. Annual budget $25-50,000. 1 Full-time staff. 45 Acres.

Mission: The intent of Tayamentasachta is to bring an awareness, appreciation and understanding of the environment and our cultural heritage in order that people can become better stewards of the planet earth.

Site and Program Features: Tayamentasachta is a unique program in that it is solely owned, operated and maintained by the Greencastle-Antrim School District. Its programs have been developed by teachers, parents, and the community.

Unique Features: Tayamentasachta is an 1840 farm including spring-fed pond, trout hatchery, walnut plantation wildlife areas, trails, organic farming and gardening, 1840 brick house and barn, antique machinery and farm equipment, Dutch oven and smoke house, windmill, log cabin, and museum.

(997)

Tinicum National Environmental Center

Suite 104, Scott Plaza 2
Philadelphia, PA 19113
(215) 521-0662
Contact: Dick Nugent, Refuge Manager
Operator: U.S. Fish & Wildlife Service

Open to youth groups and the general public. Day programs. Open every day. Hours: 8-4:30; Refuge 7:30 - sunset. Annual budget $250-500,000. 8 Full-time staff. 900 Acres.

Mission: Our mission is to preserve and protect the largest remaining tidal freshwater marsh in the state of PA, to manage habitat for all wildlife, and to serve as an environmental center for the public.

Unique Features: Our site features the largest remaining tidal freshwater marsh in the state of Pennsylvania.

(998)

The Tyler Arboretum

515 Painter Rd., Box 216
Lima, PA 19037
(215) 566-5431

Director: Carl W. Suk

Open to youth groups and the general public. Day programs. Open every day. Hours: 8-5 Extended hours during warmer months. Annual budget $250-500,000. 1 Full-time staff. 700 Acres. Fees charged for facility use. Newsletter.

Mission: With the vast resources of 700 acres available, programming is based on the theory that learning experiences within the environment best promote awareness and understanding of living and non-living elements. Our school field trip programs are one way of promoting this concept.

Site and Program Features: Cultivated area represent only 200 acres of the 700-acre Tyler Arboretum. The remaining 500 acres contain 20 miles of trails, winding through open fields and woodland.

Many centers are located near to urban areas. Photo above and sketch below courtesy Tinicum National Environmental Center.

(999)

Wissahickon Valley Watershed Assoc.

12 Morris Rd.
Ambler, PA 19002
(215) 646-8866

Director: David Froehlich
Contact: Judith Gratz, Dir. Environmental Ed.

Open to youth groups and the general public. Day programs. Open every day except Sunday. Hours: 9-5 Seasonal changes in schedule. Annual budget $100-250,000. 2 Full-time staff. 50 Acres. Newsletter.

Mission: We wish to educate the public about environmental issues in order to better protect the Wissahickon Creek.

Site and Program Features: We are a floodplain, stream-oriented site with a locally historic building. Our strength is our qualified staff which focuses on water-related issues.

(1000)

Zooamerica North American Wildlife Park

100 W. Hershey Park Drive
Hershey, PA 17033
(717) 534-3860

Director: Troy E. Stump
Operator: Hershey Entertainment & Resort Co.

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: 10-5 Summer hours 10-8 Closed on major holidays. Annual budget $500K-1,000,000. 8 Full-time staff. 11 Acres. Newsletter.

Mission: Zoo America North American Wildlife Park was built in 1978 as an educational attraction. Through exhibits, programs and graphics we hope to increase awareness of the diversity of wildlife found in North America and have a positive influence for conservation and preservation of this resource.

Site and Program Features: By following the suggested route through this 11-acre walk-through zoo, one sees a cross-section of wild plants and animals indigenous to 5 specific biomes of North America.

University Students hone their teaching skills at Penn State's Shaver's Creek Nature Center. Using raptors up-close as teaching aids in an outdoors setting is a popular practice.

(1001)

Audubon Society of Rhode Island

12 Sanderson Rd.
Smithfield, RI 02917
(401) 231-6446
Director: Alfred L. Hawkes
Contact: Joyce Fedorko, Educ. Specialist

> Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: 9-5; except 7-6 weekends. 4 Full-time staff. 77 Acres.

Mission: The Audubon Society of Rhode Island provides diverse environmental education programs ranging from workshops for teachers, field trips for school groups, to classroom sessions and schoolyard walks. We also sponsor several different summer day camps located throughout the state and public programs designed to encourage appreciation for nature and the environment.

BLITHEWOLD
GARDENS & ARBORETUM

(1002)

Blithewold Gardens and Arboretum

Ferry Rd.
Bristol, RI 02809
(401) 253-2707
Director: Mark Zelonis
Contact: Harriet Linn, Public Relations Coordin.
Operator: Heritage Trust of Rhode Island

> Open to youth groups and the general public. Day programs. Open every day except Monday. Hours: 10-4 Seasonal changes in schedule. Closed on major holidays. Annual budget $250-500,000. 5 Full-time staff. 33 Acres. Newsletter.

Mission: Visitors here gain a new appreciation for history and the beauty of the natural world.

Site and Program Features: Blithewold Gardens and Arboretum is a turn-of-the-century mansion surrounded by 33 acres of landscaped grounds overlooking the Narragansett Bay. The grounds feature many exotic plants not commonly grown in New England, including a grove of bamboo, a Chinese toon tree (first to flower in this country), and an 84-foot tall giant sequoia (largest of its kind east of the Rocky Mountains). This site also features bayside and woodland paths.

Unique Features: We have one of New England's most attractive landscape gardens where 33 acres feature exotic woody plants, flower gardens and an 84-foot-tall giant sequoia tree (largest on the east coast). Also bayside and woodland paths (estate overlooks Narragansett Bay).

(1003)

Norman Bird Sanctuary

583 Third Beach Rd.
Middletown, RI 02840
(401) 846-2577
Director: Larry Taft
Contact: Lisa Pritchard, Education Coordinator
Operator: Hospital Trust

> Open to youth groups and the general public. Day programs. Open every day. Hours: 9-5 Closed on major holidays. Annual budget $100-250,000. 3 Full-time staff. 450 Acres. Fees charged for facility use. Newsletter.

Mission: The protection of native plants and animal communities and the preservation of the unique land forms found in the refuge are NBS's, foremost concerns; but also important is the sharing of this natural resource with our visitors.

Site and Program Features: NBS maintains a variety of natural habitats, which in turn, support an abundance of wildlife species. Nearly 30 acres of the sanctuary's 450 acres are maintained as hay field. Woodlands and old field are prevalent as well. Three craggy ridges made of erosion-resistant sedimentary rock break these woodlands into valleys. The ocean and marshes also play a part of the unique and beautiful landscape of the sanctuary.

(1004)

University of Rhode Island Environmental Education Center

Victory Highway
West Greenwich, RI 02816
(401) 397-3304
Director: Doug Knapp

> Open to youth groups and the general public. Conference facilities. Day and multi-day programs. Open every day. Hours: Only open to public on special occasions. Annual budget $250-500,000. 14 Full-time staff. 2300 Acres. Lodging.

Mission: We teach an awareness, knowledge, and understanding of our surroundings and an understanding of how each of us can actively work for a better environment. To achieve these goals we focus on important ecological concepts within each of our program subjects. These concepts are: Interdependence, adaptation, diversity and conservation.

Site and Program Features: The URI Environmental Education Center is situated on 2,300 acres of pristine woodlands, fields, streams, pond and a 50-acre lake. The facility includes a rustic lodge with brand new classroom, 5 heated cabins and a project adventure rope course. A highlight of our program is the 150-year-old Woodvale Farm used by thousands of students a year.

Simple objects become valuable tools when investigating the natural world.

(1005)

Brookgreen Gardens

US 17 South
Murrells Inlet, SC 29576
(803) 237-4218
Director: Gurdon L. Tarbox Jr.
Contact: Brad Batdorf, Education Coordinator

Open to youth groups and the general public. Day programs. Open every day. Hours: 9:30-4:45. Annual budget more than $1,000,000. 2 Full-time staff. 9100 Acres. Fees charged for facility use. Newsletter.

Mission: Our mission is to expose the public to the works of nature and to the works of the sculptor and help them better appreciate and understand them.

Site and Program Features: The property is an outdoor museum and extends from the Atlantic Ocean across a peninsula to the fresh water of the Waccamaw River.

Unique Features: Our site includes Huntington Beach State Park leased by Brookgreen Gardens to the SC Department of Parks, Recreation and Tourism; a beach, and salt marshes.

(1006)

Cape Romain National Wildlife Refuge

390 Bulls Island Rd.
Awendal, SC 29429
(803) 928-3368
Director: George Garris
Contact: R. Larry Davis, Outdoor Rec. Planner
Operator: U.S. Fish & Wildlife Service

Open to youth groups and the general public. Day programs. Open every day. Hours: Office: M-F 8:35-5:00 Closed on major holidays. 8 Full-time staff. 35,000 Acres.

Mission: Our objectives are to preserve habitat for waterfowl, shorebirds, and resident species. Objectives also include the management of several endangered and threatened species. We maintain a wilderness area and preserve Bulls Island's forest with its diverse plant community.

Unique Features: Our site includes a coastal refuge which includes four barrier islands and a salt marsh.

(1007)

Charles Towne Landing-1670

1500 Old Towne Rd.
Charleston, SC 29407-6099
(803) 556-4450
Contact: Janson L. Cox, Manager
Operator: S.C. Dept. of Parks, Rec., & Tourism

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: 9-5 June-August open 9-6 Annual budget more than $1,000,000. 35 Full-time staff. 603 Acres. Fees charged for facility use. Newsletter.

Mission: Charles Towne Landing has three missions: (1) to serve as a permanent historic site, (2) nature preserve, and (3) educational facility.

Site and Program Features: Charles Towne Landing-1670 is the site of the first permanent English settlement in Carolina, developed as a public park to research and interpret 1670's history; as a zoo for the animals native to SC in 1670; and as a means to preserve the 80 acres of gardens of Old Town Plantation.

(1008)

Columbia Museum of Art

1112 Bull St.
Columbia, SC 29201
(803) 799-2810
Director: Salvatore Cilella
Contact: Elyn Graf, Dir. of Public Relations

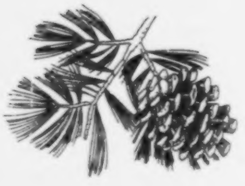
Open to youth groups and the general public. Conference facilities. Day programs. Open every day except Monday. Hours: T-Sat. 10-5; Sun. 1-5. Annual budget $100-250,000. 30 Full-time staff. Newsletter.

Mission: Our mission is to provide an assortment of visual arts from the local, national and international level, and to teach science and natural history from the planetarium.

Site and Program Features: The Columbia Museum of Art and the Hibbs Planetarium present changing exhibitions and presentations on a three month basis. From Renaissance to Modern Vietnam art, CMA attempts to show the citizens of South Carolina art from all over the world. Free admission to the public.

(1009)

Environmental Education Center at Thunderbird



2 Thunderbird Lane
Clover, SC 29710
(803) 831-2121

Directors: Andy & Florence Kane
Operator: Greater Charlotte YMCA

Open to youth groups. Conference facilities. Day and multi-day programs. Open every day. Seasonal changes in schedule. Annual budget $100-250,000. 2 Full-time staff. 220 Acres. Lodging. Fees charged for facility use. Newsletter.

Mission: To provide an interdisciplinary environmental education program where students acquire practical knowledge while sharpening their senses so they may better appreciate and respect the environment.

Site and Program Features: The Environmental Education Center at Thunderbird is a residential learning center for school groups in the Carolinas. The program has a qualified staff devoted to presenting challenging lessons to students in a beautiful outdoor setting. The center has forests, streams, and a mile of lake frontage which provides an ideal setting for learning about the diverse ecology of the Piedmont.

Unique Features: The center is located on Lake Wylie and has one mile of lake frontage. There is a 120 acre wooded site named The Willard Nature Preserve, five miles from the main site.

(1010)

Hampton Plantation State Park

1950 Rutledge Rd.
McClellanville, SC 29458
(803) 546-9361

Director: Robert A. Mitchell
Contact: Joseph S. Anderson, Park Naturalist

Open to youth groups and the general public. Day programs. Open every day except Tuesday, Wednesday. Hours: 9-6 Seasonal changes in schedule. 1 Full-time staff. 322 Acres. Fees charged for facility use.

Mission: To protect, preserve and restore the natural resources, and areas of historical significance upon a low country 18th-century rice plantation. To also enhance the recreational opportunities available within the state of South Carolina.

Site and Program Features: Woodland forest of pine and oak, tidal river swamps, inland cyprus swamps, rice embankments, picnic shelter, restrooms, and historic mansion house.

Unique features: Unique features include 250-300-year-old live oaks draped with Spanish moss, formal gardens, age-old grave sites, cyprus swamps, pine and oak forests, and a historic mansion house.

(1011)

Kings Mountain State Park

Rt. 3, Box 532
Blacksburg, SC 29702
(803) 222-3209

Director: Frank Couch
Operator: SC Parks Recreation & Tourism

Open to youth groups and the general public. Conference facilities. Day and multi-day programs. Open every day. Hours: 8 AM - 6 PM. Seasonal changes in schedule. 11 Full-time staff. 6141 Acres. Lodging. Camping. Fees charged for facility use.

Mission: Kings Mountain State Park's primary objective is to provide various recreational opportunities to the general public, and at the same time preserve, protect, and maintain one of South Carolina's most prestigic areas.

Site and Program Features: The Living History Farm is our most popular exhibit. It is a replica of an 1840 S.C. frontier farm which can be toured by the public. Ongoing demonstrations and programs illustrate the lifestyle of pioneer farm families in the South Carolina up-country. Guided tours are available by reservation during certain seasons. Individuals or groups should call the park office for additional information.

(1012)

Museum of York County

4621 Mt. Gallant Rd.
Rock Hill, SC 29730
(803) 329-2121

Director: Stuart C. Schwartz
Contact: Ann Spencer, Dir. Comm. Relations

Open to youth groups and the general public. Day programs. Open every day except Monday. Hours: 10-5 Annual budget $500K-1,000,000. 17 Full-time staff. 15 Acres. Newsletter.

Mission: Our mission is to stimulate learning and to increase understanding of and appreciation for the world around us, especially our own area and its heritage. Our permanent collections reflect the natural, cultural, historical and artistic heritage of York County, Upper Piedmont of South Carolina and Africa.

(1013)

Myrtle Beach State Park

U.S. Hwy. 17
South Myrtle Beach, SC 29577
(803) 238-5325
Director: Robert Turner
Contact: Stuart Dudley, Park Naturalist
Operator: SC Parks, Recreation & Tourism

Open to youth groups and the general public. Day programs. Open every day. Hours: 6am - 10pm Winter: Nature Ctr open for programs only. 1 Full-time staff. 350 Acres. Lodging. Camping. Fees charged for facility use.

Mission: The purpose of our facility is to offer educational programs on the coastal environment to park visitors. We present a wide variety of programs to local civic groups and schools in the area. It is our hope that these programs not only enrich the lives of the participants but also aid in creating a more environmentally conscious public.

Site and Program Features: Myrtle Beach State Park is the "green spot" of Myrtle Beach. The park is located south of Myrtle Beach on 312 acres of land including 1 mile of beachfront and a maritime forest.

(1014)

Poinsett State Park

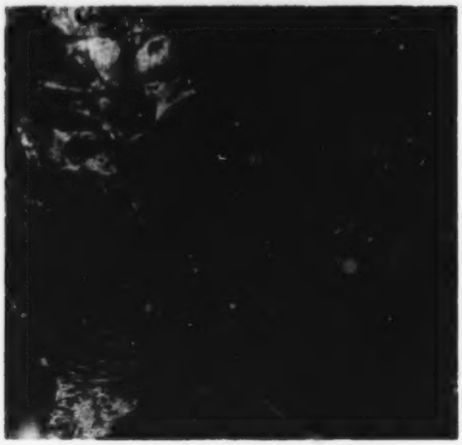
Rt. 1, Box 38
Wedgefield, SC 29168
(803) 494-8177
Director: Mary Crockett
Contact: Dale Schoolfield, Park Interpreter
Operator: South Carolina Dept. Parks, Rec.

Open to youth groups and the general public. Day and multi-day programs. Open every day. Hours: M-F 11-12, 4-5; Sat-Sun 1-5. Annual budget $250-500,000. 1 Full-time staff. 1000 Acres. Lodging. Camping. Fees charged for facility use.

Mission: We strive to educate the general public about the environment and the wild plant and animal life associated with it in order to help develop greater awareness of our natural world.

Site and Program Features: We have the largest collection of live snakes in our state park system, including six poisonous specimens. Our location is unique also. The park is located in a transition zone from the sandhills to the swamp floodplain of the Wateree River. We have sandhill-, swamp-, and mountain-type habitats, all in a 1,000-acre park which is surrounded by the Manchester State Forest.

Unique Features: Poinsett is located in the transition zone from the sandhills to the swamp floodplain of the Wateree River. We have swamp-, sandhill-, and mountain-type areas and vegetation in the park.



The EE Center at Thunderbird is a place to explore many habitats.

(1015)

Roper Mountain Science Center

504 Roper Mountain Rd.
Greenville, SC 29615
(803) 297-0232
Director: Darrell Harrison
Operator: Greenville County School District

Open to youth groups and the general public. Day programs. Open every day except Sunday. Hours: M-F 8-5; Sat. 10-3 Closed on major holidays. Annual budget $250-500,000. 12 Full-time staff. 62 Acres. Fees charged for facility use. Newsletter.

Mission: About 30,000 children from South Carolina upstate are expected to visit the center this year, as well as teachers who will sharpen their skills in science, and members of the public who will enjoy the picnic areas, nature trail, and special programming offered one Saturday a month.

Site and Program Features: Owned and operated by the Greenville County Public School System, the center represents a remarkable collaboration of public and private resources. Over the past eight years, its five buildings and various outdoor laboratories have risen amid leafy oaks and green pines to enrich the curriculums of local schools.

(1016)

Santee National Wildlife Refuge

Rt. 2, Box 370
Summerton, SC 29148
(803) 478-2217
Contact: Glen Bond Jr., Refuge Manager
Operator: U.S. Fish & Wildlife Service

Open to the general public. Day programs. Open every day except Saturday, Sunday. Hours: 8-4 Waterfowl areas closed 11/1-2/28. Closed on major holidays. Annual budget $250-500,000. 3 Full-time staff. 15,000 Acres.

Mission: Established for use as an inviolate sanctuary for migratory birds. Our primary objective is to provide optimum habitat for wintering waterfowl, other migratory birds, and wildlife. Wildlife-oriented recreation is permitted to the extent that it does not interfere with the primary objective.

Site and Program Features: Special features include a visitors' center with natural wildlife diarama exhibits and goals of the National Wildlife Refuge System, 50 miles of roads/trails open to foot and bicycle traffic only from March 1 to Nov. 1, a Carolina Bay natural area, and a 1-mile, self-guided nature trail.

(1017)

Science Center

385 S. Spring St.
Spartanburg, SC 29301
(803) 583-2777
Director: John F. Green

Open to youth groups and the general public. Day programs. Open every day except Sunday. Hours: 9-5; except 10-noon Sat. Closed on major holidays. Annual budget $10-25,000. 1 Full-time staff. Newsletter.

Mission: The Science Center provides natural history and science educational programs to school groups, scout groups and other groups in our county. We hope to instill an appreciation for the world around us.

Site and Program Features: One of our prime strengths is our outreach project which visits schools in Spartanburg County. We visit most schools in the county during the year. We also have a new customized South Carolina wildlife exhibit.

(1018)

South Carolina State Museum

Box 100107
Columbia, SC 29202-3107
(803) 737-4921 FAX: (803) 737-4961
Director: Overton G. Ganong
Contact: Tut Underwood, Dir. Public Information & Marketing
Operator: S.C. State Museum Commission

Open to youth groups and the general public. Conference facilities. Open every day. Hours: Mon-Sat 10-5; Sun. 1-5. Annual budget more than $1,000,000. Fees charged for facility use. Newsletter.

Mission: To collect, preserve, exhibit and interpret the cultural history, natural history, art, science and technology of South Carolina in order to provide cultural enrichment, intellectual stimulation, learning and enjoyment to the state's citizens and visitors.

Site and Program Features: Four large floors (it is the South's largest museum) of exhibits in the disciplines of art, history, natural history, and science/technology and natural history. Each floor has its own educational space unique to the discipline of that floor. Extensive education program which serves thousands of school students and adults in groups each year.

(1019)

Table Rock State Park

Rt. 3
Pickens, SC 29671
(803) 878-9813
Director: Joe Hambright
Contact: Jill Bell, Interpretive Naturalist
Operator: State of South Carolina

Open to youth groups and the general public. Conference facilities. Day and multi-day programs. Open every day. Hours: 7 am - 10 pm/varies Seasonal changes in schedule. Closed on major holidays. Annual budget $500K-1,000,000. 1 Full-time staff. 3100 Acres. Lodging. Camping.

Mission: The park is here to protect and promote the natural and cultural history of the Southern Appalachian mountains. We provide environmental education programs to schools, groups, and the public so they will learn to appreciate and care for our dwindling wild areas and the state's parks, forest, lakes and streams.

Site and Program Features: Backed by two mountains standing over 3,000 feet, this second-growth mixed hardwood forest is an excellent example of the Southern Appalachians. Contained in its boundaries are over 20 endangered plants, Civilian Conservation Corps Buildings, lakes and streams, nature center and over 12 miles of mountain trails. The variety of habitats provide for exceptional educational opportunities.

Unique Features: Unique features include 2,000' granite face mountain, which is also the highest mountain totally enclosed in S.C.; Civilian Conservation Corps buildings; and recent nomination inclusion in the National Register of Historic Places.

(1020)

U.S. Army Corps of Engineers

Resource Managers Office
Box 10
Clarks Hill, SC 29821
(404) 722-3770 FAX: (803) 333-2681
Director: Larry D. Meier
Contact: Randy Waters, Park Ranger

Open to youth groups and the general public. Day programs. Open every day. Hours: April-Sept. 8 am-8:30 pm Oct-March 8-4:30 Closed on major holidays. Annual budget more than $1,000,000. 16 Full-time staff. 60,000 Acres.

Mission: Interpret the cultural, historical and natural resources of the project area and to explain the corps' role in management of the lake and project lands, to control flooding downstream, provide recreation, hydro power and navigation.

Site and Program Features: This is the largest Corps lake east of the Mississippi River.

(1021)

Badlands National Park

PO Box 6
Interior, SD 57750
(605) 433-5361
Director: Irv Mortenson
Contact: Valerie Naylor, Asst. Chief of Interp.
Operator: National Park Service

Open to youth groups and the general public. Day programs. Open every day. Seasonal changes in schedule. 2 Full-time staff. 244,000 Acres. Lodging. Camping. Fees charged for facility use.

Mission: As a national park, we are here to preserve and protect Badlands National Park for the enjoyment of all park visitors. Our visitors centers, trails, overlooks, and summer interpretive programs are designed to help visitors understand, appreciate and better use the park's resources.

Site and Program Features: Badlands National Park has four major resources: its spectacular, erosion-carved landscape, its prairie with great plant and wildlife diversity, its fossil record of the Golden Age of Mammals 30 million years ago, and its 1,000 years of human habitation.

Unique Features: Badlands has a severely eroded landscape with many canyons, gullies, and spires. Highway 240, the main road through the park, follows the Badlands wall.

(1022)

Beaver Creek Nature Area

Rt. 3, Box 70
Garretson, SD 57005
(605) 594-3824
Contact: Maywin Thoreson, Visitor Services Spec.
Operator: Game, Fish, and Parks

Open to youth groups and the general public. Day programs. Open every day. Hours: Dawn-dark Annual budget $10-25,000. 1 Full-time staff. 160 Acres.

Mission: Our goal is to help school children as well as the general public experience nature with as little of man's influence as possible. Through environmental games, activities and walks, we try to help them come to an understanding and appreciation of the environment.

Site and Program Features: Our site is an original 160-acre homestead–the original cabin still remains on the site. The cabin is the only facility and is used for historic interpretation.

(1023)

Custer State Park

HCR 83, Box 70
Custer, SD 57730
(605) 255-4515
Director: Rollie Noem
Contact: Craig Pugsley, Visitor Service Coordin.
Operator: South Dakota Dept. of Game, Fish & Parks

Open to youth groups and the general public. Conference facilities. Day and multi-day programs. Open every day. Annual budget more than $1,000,000. 2 Full-time staff. 73,000 Acres. Lodging. Camping. Fees charged for facility use.

Mission: The mission of Custer State Park is to preserve, manage, and interpret the state park's biologically diverse and culturally significant resources. The park offers evening programs, nature hikes, living history demonstrations and Junior Ranger programs in the summer months to enhance the outdoor experience of the general visitor during his stay in the park.

Site and Program Features: Custer State Park offers a variety of nature-oriented programs. The public can randomly choose those of interest as they experience nature in this 73,000-acre park. Custer State Park has four lodges and many scenic drives. These roads often wind through granite spires or gently rolling prairie as the traveling public enjoys the abundant wildlife.

Unique Features: With four lakes and three streams, Custer State Park features an outstanding cross-section of Black Hills topography. The northern section is characterized by granite outcroppings, spruce and aspen. The mid-section shows thick stands of ponderosa pine, but then gives way to the savannah and grasslands in the southern section.

(1024)

Ft. Meade Museum

Box 164
Ft. Meade, SD 57741
(605) 347-2818
Director: Ralph P. Hackert

Open to youth groups and the general public. Day programs. Open every day. Hours: Memorial Day Weekend-Labor Day 9-8 Sat.-Sun. only 5/1-5/15, 9-5. Annual budget less than $10,000.

Mission: To collect, catalogue, and document historical data and historical items related to the Old Fort Meade military post, 1878-1944. To provide access to the public through the museum being open during summer.

Site and Program Features: The Old Fort Meade Cavalry Museum is located on the site of original Fort Meade where surviving members of the 7th Cavalry came after the Custer Massacre. Located on the site are the old cavalry quarters and the post cemetery. The museum has displays of artifacts, documents, 8 1/2 min. and 30 1/2 min. videos and an 87-page book, Old Ft. Meade: Dakota Territory, by author Bob Lee which depicts the history of Ft. Meade. The promotion of "The Star Spangled Banner" started here under Caleb Carlton, 8th Cav., in 1892.

Unique Features: Bear Butte 8 miles north of Ft. Meade Museum (historical site). Those left after the Battle of the Little Big Horn at the Custer Battlefield Natl. Monument Site near Hardin, MT (7th Cavalry) came down from Ft. Abraham-Lincoln at Mandan, ND, in 1878 to establish the Fort Meade Military Post 1878-1944. Home of Comanche–survivor of Custer Massacre. Comanche died when stationed at Ft. Riley, KS, now located in U. of Kansas Museum at Lawrence, KS.

(1025)

Jewel Cave National Monument

RR 1, Box 60AA
Custer, SD 57730
(605) 673-2288 FAX: (605) 673-3294

Director: Steve Holder
Contact: Brian Adams, Chief Ranger
Operator: National Park Service

> Open to youth groups and the general public. Day programs. Open every day. Hours: M-F 8-4:30 Seasonal changes in schedule. Annual budget $250-500,000. 5 Full-time staff. 1275 Acres.

Mission: As part of the National Park System, Jewel Cave's mission is to conserve the area's unique resources and to provide for the use of its resources by the public. Jewel Cave was set aside to protect the Jewel Cave system, currently at 79.38 miles explored and mapped.

Site and Program Features: Jewel Cave offers a variety of public tours during the late spring-early fall. The monument is also involved in a grade 1-12 environmental education program with the local school system and other area federal, state, and private organizations and works with the local Boy Scout District in providing a conservation work/adventure program.

Unique Features: Our site features the second longest cave system in the U.S. This is the fourth longest in the world.

(1026)

Kampeska Heritage Museum

Codington County Historical Society
271 Ave S.E.
Watertown, SD 57201
(605) 886-7335

Director: Joanita K. Monteith

> Open to youth groups and the general public. Day programs. Open every day except Monday. Hours: 1-5 Seasonal changes in schedule. Closed on major holidays and Closed Sunday Sept.-May. Annual budget $25-50,000. 1 Full-time staff. 3 Acres. Newsletter.

Mission: The goal of our organization is to promote local history. The mission is to (1) maintain the Kampeska Heritage Museum and to establish a local railroad museum; (2) record oral history and collect written accounts of local history; (3) compile and make available historical papers and artifacts; (4) encourage historical preservation of local architecture; (5) encourage appreciation of local history; and (6) cooperate with other groups interested in preserving historical records and artifacts for future generations.

Site and Program Features: We are a county historical society. While we have some natural history exhibits, we are currently trying to find a home for them elsewhere.

Unique Features: We have two history museums in downtown Watertown, SD. One is a depot museum, the other is a local history museum which includes some natural history exhibits.

(1027)

Oahe Area Recreation and Learning Center

301 2nd Ave.
Mobridge, SD 57601
(605) 845-7912

Director: Sarah Eklo

> Open to youth groups. Day programs. Open every day. Hours: 9:30 am-11:30 pm Winter: 4 pm-9 pm. Annual budget less than $10,000.

Mission: Emphasis is placed on weaving recreation, learning and work experiences together to provide a broader base for personal enjoyment in the use of the natural benefits which lie at hand.

Site and Program Features: The facility is located within walking distance of two grade schools, the high school and the shores of Lake Oahe. The 33 miles of lakefront surrounding Mobridge provide an ever changing assortment of fossils, driftwood, petrified wood pieces, interesting stones and a variety of soils. Native plants, birds, wild flowers, and water creatures provide opportunities for continuous observation. The garden near the lake is a popular place.

Unique Features: Mobridge, SD, is located at the midpoint between Bismarck, ND, and Pierre, SD, on Lake Oahe, the largest of the dams on the Missouri River. Mobridge is bordered on the west by two Indian Reservations and is a prairie town surrounded with 3.3 miles of Lake Oahe shoreline.

298

(1028)

W. H. Over State Museum

414 E. Clark St.
Vermillion, SD 57069
(605) 677-5228

Director: Julia Vodicka
Contact: Allen Schroeder, Curator of Education

Open to youth groups and the general public. Day programs. Open every day. Hours: M-F 8-5; Sat-Sun 10-5 Closed on major holidays. Annual budget $100-250,000. 5 Full-time staff. 2 Acres. Newsletter.

Mission: The W. H. Over State Museum is located in the southeast corner of South Dakota. The museum's location and exhibitions make it a sort of gateway to South Dakota, a place where visitors can learn about the natural history and cultural heritage of the state.

Site and Program Features: Special features include the exhibition "South Dakota's Land and People," the hands-on natural history discovery room, and the natural history landscaping called the "Dakota Heritage Gardens."

Unique Features: "Dakota Heritage Gardens" educational natural history landscaping featuring native plants, shrubs, trees and rocks; a Lasting Legacy Project for the South Dakota Centennial in 1989; inside the museum is a Discovery Room featuring hands-on natural history activities. The main exhibition "South Dakota's Land and People," will integrate the state's natural and cultural history.

(1030)

Wind Cave National Park

Hot Springs, SD 57747
(605) 745-4600

Director: Ernest W. Ortega
Contact: William W. Swift, Chief Naturalist
Operator: National Park Service

Open to youth groups and the general public. Day programs. Open every day. Hours: 8-5 Limited schedule Oct.-April Annual budget $500K-1,000,000. 17 Full-time staff. 28292 Acres. Camping.

Mission: Our mission is to preserve, protect and make available for compatible uses, the resources of the park.

Site and Program Features: Features of the site include 28,292 acres of prairie, Ponderosa pine woodlands and associated wildlife, including bison, elk, pronghorn, prairie dogs, birds, reptiles, etc. Overlays a 53-mile cave network which is the third longest in the world. The cave includes unique cave formations, as well as an unusual form of cave genesis.

Unique Features: The park is 75% mixed grass prairie, 25% Ponderosa pine woodlands.

(1029)

Sand Lake National Wildlife Refuge

Rt. 1, Box 25
Columbia, SD 57433
(605) 885-6320

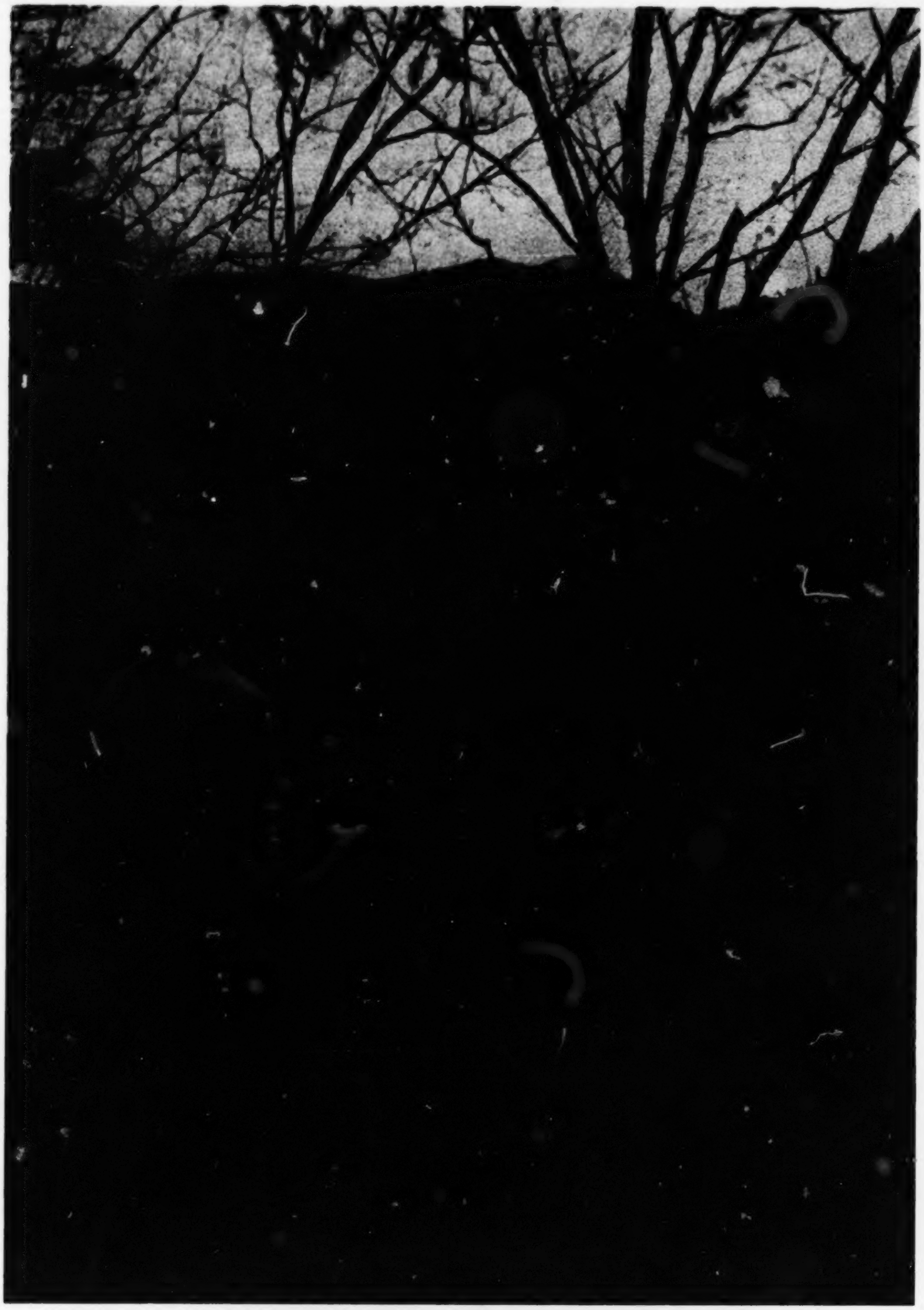
Contact: John Koerner, Refuge Manager
Operator: U.S. Dept. of Interior

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: Daylight to dark; building M-F 8-4:30. Annual budget $500K-1,000,000. 10 Full-time staff. 21,500 Acres.

Mission: (1) To provide habitat for the production of ducks, giant Canada geese, and to incorporate management to include the greatest number of species within the capabilities of the refuge. (2) To provide sanctuary for migratory birds during the spring and fall migrations, and (3) To provide the public with the opportunity for use (both consumptive and nonconsumptive), enjoyment and appreciation of wildlife resources.

Site and Program Features: Public opportunities exist to enjoy wildlife in their natural environments; to learn more about the natural world; to appreciate the values of migratory birds; to see major concentrations of ducks and geese and to learn more about management to enhance wildlife populations.

Unique Features: Our site features excellent example of wetlands ecosystems.



Unspoiled hills rolling into the distance - the aesthetic and inspirational experience can be preserved only when people have the insight to set aside endangered land. Photo courtesy of Great Smoky Mountains Institute at Tremont.

300

(1031)

Bays Mountain Park

Rt. 4
Kingsport, TN 37660
(615) 229-9447

Director: Tom Bowman
Contact: Joe Taft, Senior Naturalist
Operator: City of Kingsport

Bays Mountain Park
ROUTE 4
KINGSPORT TENNESSEE 37660

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: M-F 8:30-5:00; Sat. 8:30-8:00; Sun. 1-8 Summer: until 8 pm daily. Closed on major holidays. Annual budget $250-500,000. 7 Full-time staff. 3000 Acres. Camping. Fees charged for facility use. Newsletter.

Mission: The goal of Bays Mountain Park is to provide a natural environment in which park visitors can experience the interactions of nature and, with the assistance of staff members, develop a sense of wonder that will help them come to an understanding of their role as part of the environment.

Site and Program Features: The site includes 3,000 acres of natural area, including a 42-acre lake, over 25 miles of hiking trails, a 40-foot dome planetarium, observatory with up to 17 1/2-inch reflector and 8-inch refractor telescopes, salt water aquaria including a 700+ gallon "touch" pool, new "habitat" animal enclosures including otter and waterfowl, a seasoned professional staff, and good volunteers.

(1033)

Center for Environmental/Cons. Ed.

Univ. of Tenn. at Martin
Martin, TN 38238
(901) 587-7200

Director: Maurice H. Field

Open to youth groups and the general public. Day and multi-day programs. Open every day except Sunday. Hours: 8 am - 9 pm Closed on major holidays. Annual budget $25-50,000. 1 Full-time staff. Lodging. Newsletter.

Mission: The major goal for the CE/CE is to raise the level of Ecological Awareness in the citizenry of west Tennessee through the development of curricular materials and the presentation of teacher in-service opportunities which will impact the school-aged person to the greatest extent.

Site and Program Features: The CE/CE is located in an ideal setting for the study of conservation practices due to the potentially high rate of erosion related to agricultural practices in use. Chenoa waterfowl, which exhibits most species of Geese and Shelducks of the world, is 4 miles from CE/CE. The development of curricular materials related to bringing ecological awareness to particularly the school-age person has been a major thrust. The CE/CE is one of the Tennessee Valley Authority's network of university-based Centers for Environmental/Energy Education.

Unique Features: The CE/CE is located in an agricultural area which has potentially one of the largest erosion rates in the U.S. Reelfoot Lake, formed by action of an earthquake is less than an hour away from the CE/CE.

(1032)

Camp Easter Seal

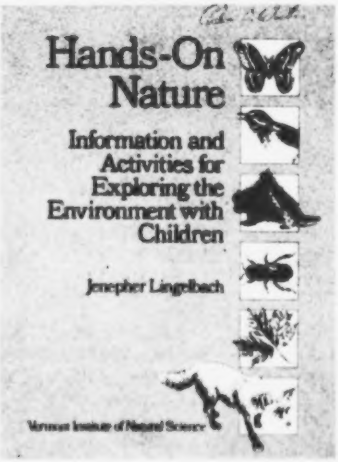
Rt. 1, Box 84
Mt. Juliet, TN 37122
(615) 292-6639

Director: Randy Smith
Operator: Easter Seal Society of Tennessee, Inc.

Open to youth groups and the general public. Conference facilities. Day and multi-day programs. Open every day. Annual budget less than $9000. 1 Full-time staff. 100 Acres. Lodging. Camping. Fees charged for facility use. Newsletter.

Mission: Camp Easter Seal devotes its entire program toward creating fun experiences in a camp setting for disabled children and adults. Through encouraging participation in a wide range of activities, our campers can discover independence, hidden talents, and self-confidence. Camp is a place of unconditional acceptance known to many as a home away from home.

Site and Program Features: Located on 100 acres of beautiful rolling hillside and woodland, Camp Easter Seal enjoys the prettiest spot on Old Hickory Lake. With 4 cabins, a large lodge, a covered pavilion, paved pathways, and more, campers can participate in a wide variety of activities rain or shine. Activities include swimming, boating, arts and crafts, games, dances, campouts, petting zoo, and much more.



Hands-On Nature

Information and Activities for Exploring the Environment with Children

Jenepher Lingelbach

Vermont Institute of Natural Science

Jenefer Lingelbach's curriculum was developed at the Vermont Institute of Natural Science. Pick up (or ask for) her book at your local nature center bookstore.

(1034)

Center for Environmental Ed.

Dept. of C & I, Memphis St. Univ.
Memphis, TN 38152
(901) 678-2365
Director: Ronald W. Cleminson

Open to youth groups and the general public. Day programs. Open every day except Saturday, Sunday. Hours: 9-4 Seasonal changes in schedule. Annual budget less than $10,000. 2 Part-time staff. Newsletter.

Mission: (1) To promote environmental awareness; (2) to conduct research and teacher education workshops on environmental issues; (3) to increase communication between local groups and individuals with environmental concerns; and (4) to maintain a resource library for educational materials on the environment.

Site and Program Features: The Memphis Center for Environmental/Energy Education is a charter member of the Consortium for Environmental Education Centers (CEEC), a group of institutions in the mid-south having a common interest in environmental education. As such, the Memphis CEEE directs a center for conducting programs of research, teaching, and service for school personnel and other constituents. In addition to its academic services, the Memphis CEEE acts as the coordinating center for the Memphis Environmental Awareness Network, a community-based network linking local individuals, business, industry, government agencies, civic groups, environmental groups, and educational institutions.

(1035)

Chattanooga Audubon Society

900 N. Sanctuary Rd.
Chattanooga, TN 37421
(615) 892-1499
Director: Bill Holt
Contact: Joan Stultz, Program Director

Open to youth groups and the general public. Day programs. Open Saturday, Sunday. Hours: Sat. 9-6; Sun. 1-6; M-F by appointment. Annual budget $50-100,000. 1 Full-time staff. Camping. Fees charged for facility use. Newsletter.

Mission: Our mission is to foster a greater appreciation of our historical heritage as found on our wildlife sanctuaries and promote a wise use of natural resources and conservation of wildlife, plants, soil, air and water and to further an understanding of the relationship of wise environmental use to public welfare.

Site and Program Features: Our four properties include an urban island, a suburban creek bottomland with Indian village site and Cherokee cabin, and a rural mountainside with hawkwatch platform. A visit holds promise of peaceful woodland walks in an undisturbed ecosystem. Indian Summer Days every 2nd weekend in October.

Unique Features: Our site features: Indian cabin–National Register of Historic Places; Indian archaeological village site (undeveloped)–National Register

(1036)

Chattanooga Nature Center

400 Garden Rd.
Chattanooga, TN 37419
(615) 821-1160

Contact: Linda B. Harris, Program Director

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: M-Sat 9-5; Sun 1-5 Closed on major holidays. Annual budget $100-250,000. 4 Full-time staff. 17 Acres. Fees charged for facility use. Newsletter.

Mission: The primary function of the Chattanooga Nature Center is to provide environmental education for area students, utilizing a hands-on, discovery-oriented approach. We also provide training workshops for area teachers. In addition, we try to increase the awareness of the membership and the general public as to environmentally sound practices and environmental concerns.

Site and Program Features: The Chattanooga Nature Center and Reflection Riding Complex offers great diversity of habitat including mountainside, flood plain, creek, pond and wetland, which allows us to provide great diversity in programming. Thanks to a very loyal group of volunteer field class teachers and dedicated teacher naturalists, we are also able to keep our group size to no more than 12 youngsters per group while in the field, helping us provide a high quality experience.

Unique Features: The Chattanooga Nature Center is nestled below the western slope of Lookout Mountain, and adjoins Reflection Riding, a 300-acre arboretum and wildlife preserve.

(1037)

Cheekwood Botanical Gardens

Forrest Park Dr.
Nashville, TN 37205
Director: Richard C. Page
Contact: Virginia Clark, Botanical Education Coord
Operator: Tennessee Botanical Gardens

Open to youth groups. Open every day. Hours: M-Sat. 9-5; Sun. 12-5 Seasonal changes in schedule. Annual budget $250-500,000. 55 Acres. Lodging. Fees charged for facility use. Newsletter.

Mission: To promote the appreciation, enjoyment and knowledge of plants, gardening and the natural environment.

Site and Program Features: 55 acres contain nine gardens of boxwood, herbs, wildflowers, daffodils, iris, roses, annuals, perennials and woody plants. Botanic hall houses botanical exhibits. Greenhouses contain orchids, camellias, and tropicals. The 125-acre Owl's Hill Nature Center offers programs on nature-related subjects.

(1038)

Chenoa Waterfowl

Route 4, Box 83
Martin, TN 38237
(901) 587-3522
Director: Maurice/Carla Field

Open to youth groups and the general public. Day programs. Open every day except Sunday. Hours: By appointment (8-6) Closed on major holidays. Annual budget $10-25,000. 3 Part-time staff. 40 Acres.

Mission: The major goal is to develop an ecological awareness in a primarily rural area regarding wild waterfowl, through presentations and field trips for people of all age groups.

Site and Program Features: Wild Geese and Shelducks have been selected for emphasis from the world's waterfowl. Presently, 10 of the 14 species of wild geese are on display. Four of the probable 11 races of Canada Geese can be viewed, along with 5 of the 6 species of shelducks found in the world. A secondary emphasis involves the wood ducks and diving ducks. A major strength is the development of ecological awareness related to waterfowl.

Unique Features: Chenoa Waterfowl includes two lakes and three ponds on a 40-acre tract. The main display area is a 6-acre enclosure with a 3-acre lake. The waterfowl can be viewed in a near-natural setting.

(1039)

Cumberland Science Museum

800 Ridley Blvd.
Nashville, TN 37203-4899
(615) 259-6099 FAX: (615) 254-3814
Director: Bill Bradshaw
Contact: Robin Johnson, Assistant Marketing Dir.

Open to youth groups and the general public. Day programs. Open every day except Monday. Hours: T-Sat. 9:30-5; Sun. 12:30-5:30 Open Mondays in summer Closed on major holidays. Annual budget more than $1,000,000. Newsletter.

Mission: The mission of the Cumberland Museums is to provide enjoyable learning experiences in the sciences, technology, history, world culture and nature through objects, participatory exhibits and programs. We do this in order to assist people of all ages in the mastery of concepts and skills necessary to make wise decisions affecting the quality of all life, both now and for future generations.

(1040)

Environmental Study Area

Old Hickory Lake
#5 Power Plant Rd.
Hendersonville, TN 37075
(615) 822-4846
Contact: Carl Crews, Resource Manager
Operator: U.S. Army Corps of Engineers

US Army Corps of Engineers
Nashville District

Open to youth groups and the general public. Day programs. Open every day. Hours: Daylight hours. Annual budget $500K-1,000,000. 12 Full-time staff. 23 Acres.

Mission: Old Hickory Lake Environmental Study Area is a unique area for outdoor education. It is a 23-acre undeveloped site located in close proximity to 4 local schools. It is designed to be a natural demonstration area amidst a large developing community for use by school and scout groups, as well as the individual.

Site and Program Features: This study area provides a convenient opportunity for study of nature and wildlife management techniques. It includes a backyard wildlife demonstration area, interpretive trails, orchard, wildflower and food plots, and brush piles. Plans call for a honey bee demonstration area, wetland, and outdoor class area. Shoreline erosion control is demonstrated.

(1041)

Great Smoky Mountains Institute

at Tremont Great Smoky
Mountains National Park
Townsend, TN 37882
(615) 448-6709

Director: Ken Voorhis
Operator: Great Smoky Mtns. Nat. History Assn.

Open to youth groups and the general public. Conference facilities. Multi-day programs. Open every day. Hours: M-F 8-4:30 (Office hours) Seasonal changes in schedule. Annual budget $250-500,000. 4 Full-time staff. 20 Acres. Lodging. Fees charged for facility use. Newsletter.

Mission: Program participants are actively involved in exploring and learning about the natural and cultural resources of Great Smoky Mountains National Park. Our goal is to create "environmentally literate" students who recognize their responsibility for thoughtful stewardship of our planet's natural resources. Our motto is, Great Smoky Mountains Institute at Tremont . . . connecting people and nature.

Site and Program Features: Great Smoky Mountains Institute at Tremont is a residential environmental education center located in the heart of Great Smoky Mountains National Park. Programs are offered throughout the year for both children and adults and include school programs, Elderhostels, summer camps, and workshops on subjects from photography to teacher and naturalist training.

(1042)

Lichterman Nature Center

5992 Quince Rd.
Memphis, TN 38119
(901) 767-7322

Director: Larry K. Pickens
Contact: Robert M. Barni, Asst. Curator
Operator: City of Memphis/Memphis Museums, Inc.

Open to youth groups and the general public. Day programs. Open every day except Monday. Hours: T-Sat. 9:30-5; Sun. 1-5 Closed on major holidays. Annual budget $250-500,000. 8 Full-time staff. 65 Acres. Fees charged for facility use.

Mission: To provide school groups and the general public with quality environmental education programs as well as the opportunity to see native plants and animals living in their natural environment.

Site and Program Features: The Lichterman Nature Center is a 65-acre wildlife sanctuary, including forest, field, marsh and lake habitats. The property and the 60-year-old Adirondack-style Interpretive Building are listed on the National Register of Historic Places.

Unique Features: The Lichterman Nature Center is a 65-acre "island" completely surrounded by urban development, yet maintains four separate habitats: forest, field, lake and marsh.

Lichterman Nature Center and Administration Building. Photo courtesy of Memphis Pink Palace Museum by W. J. Cupo.

(1043)

Memphis Pink Palace Museum

3050 Central Ave.
Memphis, TN 38111
(901) 325-5300 FAX: (901) 454-5620

Director: Douglas R. Noble
Operator: Memphis Park Commission

Open to youth groups and the general public. Conference facilities. Day programs. Open every day except Monday. Hours: T-Sat. 9:30-4; Sun. 1-5 Closed on major holidays. Annual budget more than $1,000,000. 40 Full-time staff. Newsletter.

Mission: To provide for the care and protection of historic structures and sites; to protect, preserve and manage the environmental integrity of natural sites; and to collect, catalog and care for artifacts and specimens. To provide exhibits, educational programs and research activities in the areas of the physical and biological sciences and cultural history.

(1044)

Reelfoot National Wildlife Refuge

Rt. 2, Hwy. 157
Union City, TN 38261
(901) 538-2481

Contact: Donald E. Temple, Refuge Manager
Operator: U.S. Fish & Wildlife Service

Open to the general public. Day programs. Open every day except Saturday, Sunday. Hours: 8-4 Closed on major holidays. Jan.-March: open Sun.-Sat. 8-4. Annual budget more than $1,000,000. 7 Full-time staff. 10,428 Acres.

Mission: The primary mission for Reelfoot National Wildlife Refuge is fourfold. (1) Provide habitat for migratory birds consistent with the overall objectives of the Mississippi Flyway, (2) provide habitat and protection for wintering populations of the endangered bald eagle, (3) provide habitat for a natural diversity of wildlife species, and (4) provide the public with opportunities for wildlife-oriented recreation, interpretation and environmental education.

Site and Program Features: The Reelfoot Visitor Center contains a number of displays describing refuge wildlife and historic events in the Reelfoot area. A self-guided auto tour route is available on the Grassy Island Unit complete with a boardwalk and observation platform. Boat ramps are available on the Grassy Island Unit and at Lake Isom Refuge.

Unique Features: Our site features the unusually large wintering populations of bald eagles and waterfowl, lush aquatic vegetation, and cypress associated with the shoreline and interior of the lake.

(1045)

Upper Cumberland Biological Station

Box 5063 TTU
Cookeville, TN 38505
(615) 372-3129
Director: Dr. Henri G. Willard
Operator: Tennessee Tech. University

Open to the general public. Conference facilities. Day and multi-day programs. Summer sessions: June-Aug. Annual budget $50-100,000. 2 Full-time staff. 550 Acres. Lodging. Fees charged for facility use.

Mission: Currently, Upper Cumberland Biological Station is operated during the summer months as an off-campus center offering undergraduate- and graduate-level field biology courses. During the academic year, many classes on campus use our facilities for terrestrial and aquatic field trips. In the near future, we hope to add nature trails with markers; these will be used by elementary and secondary groups with (hopefully) education science major graduate students as trail guides. A nature museum is also being considered.

Site and Program Features: With literally thousands of mountain and lake surface acres available to use for research, we have great potential as an area for ecological research, as well as for wildlife and fisheries scientists. Middle Tennessee is a "clean" area industrially. Center Hill Reservoir has minimal industrial contamination, and a variety of organisms inhabit our varied ecosystems.

Unique Features: Upper Cumberland Biological Station at Tech Aqua consists of 550 acres of Highland Rim foothills, located on Center Hill Reservoir, a U.S. Army Corps of Engineers Reservation. The entire area includes 18,000 acres of surface area, 415 miles of lake shore beaches and 20,000 acres of terrestrial habitat are available to use for research purposes. Wildlife is abundant, and many types of habitats are included.

(1046)

Warriors' Path State Park

Box 5026, Hemlock Rd.
Kingsport, TN 37663
(615) 239-8531
Director: Ernie Marshall
Contact: Marty Silver, Park Ranger-Naturalist
Operator: State of Tennessee

Tennessee State Parks
Preserving Our Heritage for 50 Years

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: 8 am - 10 pm Close earlier in winter. Annual budget $250-500,000. 870 Acres. Camping.

Mission: At Warriors' Path, people of all ages can experience nature directly. Our programs stress awareness and appreciation of nature and of our place in the progression of history. This land has been a pathway for generations of wildlife and human travellers. Each has left signs for modern-day travellers.

Site and Program Features: Warriors' Path is a heavily developed recreation-oriented park, yet much of the natural east Tennessee landscape remains. We have special opportunities to work with people of all ages and interest levels, both on-site and off-site, because of a large local population, and a close proximity to a heavily travelled interstate highway.

The preschoolers' pumpkin patch at Lichterman Nature Center. Photo courtesy of Memphis Pink Palace Museum by W. J. Cupo.

Backpacking is not only recreational, it can also be an educational vehicle to embed valuable social and environmental lessons. Photo courtesy of the Great Smoky Mountains Institute at Tremont.

306

(1047)

Anahuac National Wildlife Refuge

PO Box 278
509 Washington
Anahuac, TX 77514
(409) 267-3337
Contact: Domenick R. Ciccone, Project Leader
Operator: U.S. Fish & Wildlife Service

Open to youth groups and the general public. Day programs. Open every day. Annual budget $250-500,000. 4 Full-time staff. 24,436 Acres.

Mission: Programs are adapted to individual group needs. An emphasis is placed on informing the public about the U.S. Fish and Wildlife Service, National Wildlife Refuges, marsh management, waterfowl, and local wildlife issues.

Site and Program Features: Anahuac National Wildlife Refuge was established to provide habitat for migratory and wintering waterfowl. The refuge is one of few coastal marsh areas open for the pubic to engage in wildlife observation, fishing and seasonal waterfowl hunting. Refuge staff is available for tours, exhibits, and talks with prior notification.

(1048)

Armand Bayou Nature Center

8600 Bay Area Blvd.
P.O. Box 58828
Houston, TX 77258
(713) 474-2551
Director: James Larrabee

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: 9-5 Closed on major holidays. Annual budget $500K-1,000,000. 8 Full-time staff. 1700 Acres. Fees charged for facility use. Newsletter.

Mission: To provide environmental education and demonstrate the need to preserve this and other natural areas for the enjoyment and enrichment of this and future generations.

Site and Program Features: Armand Bayou Nature Center is a 1,700-acre wildlife refuge and nature study center. Visitors may hike the forest or prairie trails, visit the re-created late 1800's Martyn Farm, or the native plant greenhouse. We offer hands-on programs for all ages in marine biology, botany, ecology, farm life and ornithology.

Unique Features: The 1,700-acre site of the nature center is bisected by Armand Bayou, one of the last unchannelized watershed systems in the Houston metropolitan area. The center also has an ongoing prairie restoration project to restore 900 acres of Gulf Coast tallgrass prairie.

(1049)

Attwater Prairie-Chicken NWR

PO Box 518
Eagle Lake, TX 77434
(409) 234-3021
Contact: Steve Labuda, Refuge Manager
Operator: U.S. Fish & Wildlife Service

Open to the general public. Day programs. Open every day except Saturday, Sunday. Hours: 7:30-4 Seasonal changes in schedule. Closed on major holidays. Annual budget $250-500,000. 6 Full-time staff. 8000 Acres.

Mission: The goal of the Attwater Prairie-Chicken NWR is to contribute to the enhancement of the endangered Attwater's prairie-chicken population by providing suitable habitat and protection through sound management practices.

Site and Program Features: Our refuge has one five-mile auto tour route and two trails, over 1.5 miles each, available for public use. We also provide observation blinds in the spring for viewing the mating displays of the prairie-chicken. We have an extensive collection of bird mounts, two wildflower identification books, and a videotape of the booming prairie-chickens on display in the refuge office.

(1050)

Austin Nature Center

301 Nature Center Dr.
Austin, TX 78746
(512) 327-8180
Director: Juan Valera
Operator: Parks and Rec. Dept., City of Austin

Open to youth groups and the general public. Conference facilities. Day and multi-day programs. Open every day except Sunday. Hours: M-F 8-5; Sat 10-4 Seasonal changes in schedule. Annual budget $250-500,000. 80 Acres. Camping. Newsletter.

Mission: The purpose of the Austin Nature Center is to provide enjoyable activities and services about the natural sciences and the central Texas ecology to foster an attitude of environmental awareness and involvement in the thoughts and actions of Austin area citizens.

Site and Program Features: The Austin Nature Center consists of 80 acres of woods, canyons, creeks and meadows, providing a microcosm of the natural features to be found in central Texas. It is located on the shores of the Colorado River (Town Lake) and adjacent to the most popular park in Austin. Our strength derives from the fact that through our programs we reach all sectors of the population of central Texas.

Unique Features: Unique features include 70 acres of rolling hills at the intersection of a creek and a major lake. Heavily wooded and striking bluffs are along the creek. The city skyline in view from the site.

The Austin Nature Center (lower right) interfaces with both the natural and the urban community.

(1051)

Benbrook Project Office

U.S. Army Corps of Engineers
P.O. Box 26619
Fort Worth, TX 76126-0619
(817) 292-2400 FAX: (817) 346-0021
Director: Jimmy R. Hurt
Contact: Lynn Murphy, Asst. Reservoir Manager

Open to youth groups and the general public. Day programs. Open every day except Saturday, Sunday. Hours: M-F 7:30-4:00, Closed on major holidays. Annual budget $500K-1,000,000. 4 Full-time staff. 11,300 Acres.

Mission: Programs at the lake emphasize water safety and the need for wise use of natural resources.

Site and Program Features: Benbrook Lake is nestled in the rolling hills of northeast Texas. The staff specializes in water safety and is available to present programs on resource management and conservation upon request.

(1052)

Big Thicket Assn. Museum

P.O. Box 198
Saratoga, TX 77585
(409) 274-5000
Director: Doris Gerland
Operator: Big Thicket Association

Open to youth groups and the general public. Day programs. Open every day except Monday. Closed on major holidays. Annual budget less than $10,000. 2 Part-time staff. 10 Acres. Camping. Fees charged for facility use. Newsletter.

Mission: To preserve and maintain the history of east Texas. To help today's children be more aware of the uniqueness of the Big Thicket and its ecological significance. To help them learn that what we are today and what we will be tomorrow is a direct result of what we were yesterday.

Site and Program Features: "Big Thicket Day Festival" is celebrated each spring, beginning with a parade that ends on museum grounds where there are arts and crafts, entertainment, food prepared by locals, and early-day crafts. In 1989 it was held April 15. Big Thicket Day is our major fund raiser and is well attended by folks from near and far.

Austin Nature Center (see p.297)

(1053)

Brazosport Museum of Natural Science

400 College Dr.
Lake Jackson, TX 77566
(409) 265-7831
Director: J. H. McIver
Contact: Freida White, Secretary

Open to youth groups and the general public. Day programs. Open every day except Monday. Hours: T-Sat 10-5; Sun. 2-5 Closed on major holidays. Annual budget $10-25,000. 5 Acres.

Mission: The objective of the museum is to provide facilities and objects illustrative of the natural sciences in pleasant and harmonious surroundings, conducive to the education and enlightment in the beauties and wonders of our natural environment.

Site and Program Features: We provide, free to the public, outstanding exhibits representing the following areas of interest: malacology, archaeology, paleontology, mineralogy, and wildlife. Study cases, with drawers, house collections of sea shells, minerals and Indian artifacts. These are located in the exhibit area, and are available to visitors.

Unique Features: The museum is located in the Brazosport Center for the Arts & Sciences, which is maintained by the Brazosport Fine Arts Council.

(1054)

Central Texas Zoo

Rt. 10, Box 173-E
Waco, TX 76708
(817) 752-0363 FAX: (817) 754-0772
Director: Tim Jones
Contact: Steve Campbell, Education Curator
Operator: City of Waco, Parks & Rec. Dept.

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: M-F 9-5; S-S 9-6, Open 1 hour later in summer. Annual budget $250-500,000. 3 Full-time staff. 11 Acres. Fees charged for facility use. Newsletter.

Mission: Education programs, both inhouse and outreach, are conducted by staff and volunteers for local school, youth, civic, and senior citizens groups. These programs are designed to supplement class room curriculum on subjects such as conservation, animal classification, animal protection, predator-prey relationships and other natural history topics. Groups by appointment only.

Site and Program Features: The Central Texas Zoo is set in the Brazos Valley, below Lake Waco, the largest urban lake in Texas. We offer the general public the opportunity to observe over 300 species of animals from around the world. Education programs emphasize local natural history as well as exotic animal species.

Unique Features: Proximity to Lake Waco Reservoir.

(1055)

Corpus Christi Museum

1900 N. Chaparral
Corpus Christi, TX 78401
(512) 883-2862

Director: Rick Stryker
Contact: Lillian Bass, Educator
Operator: City of Corpus Christi

Open to youth groups and the general public. Day programs. Open every day except Monday. Hours: M-Sat 10-5; Sun 2-5, Closed on major holidays. Annual budget $500K-1,000,000. 20 Full-time staff. Newsletter.

Mission: The Corpus Christi Museum is an educational institution that collects and preserves objects and artifacts representing natural and cultural history and uses these collections to contribute to the enjoyment and understanding of man's place in the world of nature and to impart this knowledge to the public.

Site and Program Features: In addition to the natural history and cultural history exhibits, the Corpus Christi Museum has a touch table area and live animal exhibits. The museum is undergoing an expansion to house a major Spanish shipwreck exhibit and U.S. naval aviation training exhibit. The museum offers extensive school, summer and Saturday programming for children.

(1056)

Dallas Museum of Natural History

Box 26183
Dallas, TX 75226
(214) 234-2260

Director: Charles Finsley
Contact: L. Marilyn Stidham, Curator of Education
Operator: City of Dallas - Cultural Affairs Div.

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: 9-5 Annual budget $50-100,000. 15 Full-time staff. 265 Acres. Newsletter.

Mission: The mission of the Dallas Museum of Natural History is to preserve and portray the record of the living world, of man and his environment, both past and present. The institution is a storehouse of the earth's peoples, animals, plants, fossils and minerals and to serve as a medium between man and his environment.

Site and Program Features: The Dallas Museum of Natural History was founded in 1936 to exhibit the flora and fauna of the state. Fifty dioramas depict geologic areas of the state with plants and animals that inhabit them. The museum also features a fossil hall, rocks and minerals and a bird hall. Programs are presented on-site and in the community, reaching 50,000 people annually.

Unique Features: The Dallas Museum of Natural History is one of several cultural and educational institutions located in Fair Park (site of the state fair) all in classic art deco style.

(1057)

Dallas Nature Center

7575 Wheatland Rd.
Dallas, TX 75249
(214) 296-1955

Contact: Nadine M. Simon, Board Chairperson
Operator: Greenhills Foundation/Dallas City & Cnty

Open to youth groups and the general public. Day programs. Open every day. Hours: Sunup to sundown. 450 Acres. Newsletter.

Mission: The function of the Center is fourfold: (1) Conservation: of some of the ecologically rich, physically beautiful hills of the White Rock Escarpment for future generations to enjoy and appreciate; (2) education: of area school children and the general public in the field of outdoor education–how to identify plants and animals, local natural history, landscaping with native plants, nature photography, spinning wool and much more; (3) recreation: in forms compatible with a nature area–hiking, fishing, picnicking, birdwatching, nature study; and (4) research: through funded projects on such topics as using Texas plant species for landscaping and soil stabilization.

Site and Program Features: The Center is located in the extreme southwest quadrant of the City of Dallas on approximately 400 acres of beautiful rolling land along the White Rock Escarpment. This is characterized by steep bluffs and rocky outcroppings where the Eagle Ford shale and the Austin chalk interface. The area affords panoramic views of the surrounding countryside, and provides diverse habitats for a wide variety of plants and animals. The Greenhills Foundation itself owns 27 acres, the City of Dallas owns some 300, Dallas County owns 42 acres, and the remainder is composed of adjacent escarpment zone land, which (under city ordinance) must remain as open space.

"Up-close and mesmerized"; a nature center tradition. Photo by Ray Egan

FT. WORTH NATURE CENTER & REFUGE

(1058)

A.M & Alma Fiedler Memorial Museum

c/o Texas Lutheran College
Sequin, TX 78155
(512) 379-4161
Director: Evelyn F. Streng

Open to youth groups and the general public. Day programs. Open every day except Saturday, Sunday. Hours: Afternoons and by appointment. Closed on major holidays. Annual budget less than $10,000.

Mission: The Fiedler Memorial Museum is designed to arouse interest in and develop basic understandings of rocks, minerals, and fossils, and the processes which change the earth's surface, as well as illustrate responsible human use of earth resources.

Site and Program Features: This is a small museum in an academic building with an adjacent outdoor rock garden for "hands-on" experiences. There is also an activity center for children in the museum area. Loan collections are available. Attractive displays which communicate basic information are here–appropriate for college but also appreciated by kindergarten children!

(1059)

O. C. Fisher Lake

3900 Mercedes Ave.
San Angelo, TX 76902
(915) 949-4757
Contact: David Madden, Park Ranger

Open to youth groups and the general public. Open every day except Saturday, Sunday. Hours: 8-4 12000 Acres.

Mission: Our mission is to tell the Corps of Engineers mission about flood control and how we got into the recreation business, nature appreciation, development of conservation attitudes, and water safety awareness.

Site and Program Features: The site is in a unique region of overlap of Edwards Plateau and Chihuahuau Desert's great ecological diversity. The program is weak in advertisement, but strong in conservation attitudes among staff.

(1060)

Fort Worth Nature Center

Rt. 10, Box 53
Fort Worth, TX 76135
(817) 237-1111
Director: L. Wayne Clark
Contact: Letty Alamia, Naturalist
Operator: City of Fort Worth

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: M-F 8-5; Sat. dawn-5; Sun. 9-5 Annual budget $100-250,000. 6 Full-time staff. 3500 Acres. Newsletter.

Mission: Goals for the nature center are to serve as a tool for the development of environmental awareness and a land-life ethic among the citizens of north-central Texas; to promote environmental research and to function as an outdoor focal point where citizens, especially the young, can enjoy a segment of the natural world and learn about the interrelationships of living and non-living things.

Site and Program Features: The Fort Worth Nature Center and Refuge is uniquely large (3,500 acres) and located within the city limits of Fort Worth. It contains examples of most of the local biological communities, including prairie, river bottomland, marsh, limestone hills, and crosstimber forest. Twenty miles of hiking trails, volunteer guided tours for schools, a museum and interpretive center and an outreach program are also valuable features.

(1061)

Frontier Times Museum

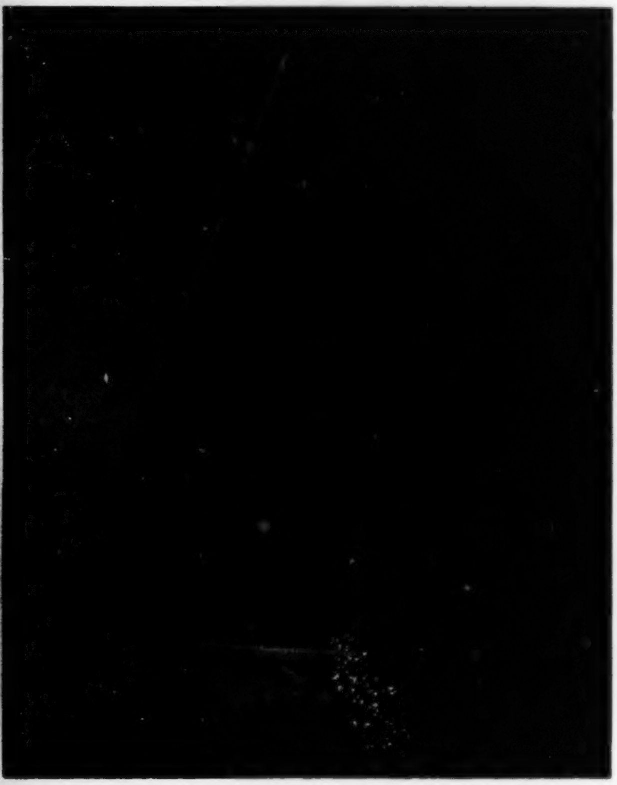
Box 563
Bandera, TX 78003
(512) 796-3864
Director: Pat D'Spain
Operator: Bandera County

Open to youth groups and the general public. Day programs. Open every day. Hours: 10-4:30 M-S, 1-4 Sun. Annual budget $10-25,000. 3 Full-time staff. Fees charged for facility use.

Mission: Our main goal is to preserve and restore our artifacts so they may be enjoyed by those visiting our museum. We are also restoring and maintaining with excellent care our historic photograph collection.

Site and Program Features: The Frontier Times Museum contains a wonderful collection of relics of frontier days and now has become known far and wide as one of the most outstanding attractions of the most beautiful part of Texas. Many things here helped to develop the frontier, now belonging to a forgotten age.

Unique Features: We are located in Bandera, TX. We have many dude ranches here for tourists. Our town is in keeping with Western tradition.



Heard Natural Science Museum and Wildlife Sanctuary, Inc.

(1062)

Heard Natural Science Museum & Wildlife Sanctuary Inc.

Rt. 6, Box 22
McKinney, TX 75069
(214) 542-5566
Director: Steve R. Runnels

> Open to youth groups and the general public. Conference facilities. Day programs. Open every day except Monday. Hours: T-Sat 9-5; Sun 1-5 Closed on major holidays. 12 Full-time staff. 266 Acres. Fees charged for facility use. Newsletter.

Mission: To create, preserve and utilize a healthy environment through teaching people to understand and appreciate their surroundings (1) by carrying on educational programs, particularly for young people, emphasizing appreciation of nature and its conservation; (2) by preserving a portion of north Texas land, with its native vegetation and wildlife, in as near-natural a condition as possible; and (3) by preserving through museum collections examples of natural history, nature-related art works and memorabilia of founder, Miss Bessie Heard.

Site and Program Features: We are a natural science museum on a wildlife sanctuary. The 266-acre sanctuary includes typical north-Texas prairie and bottomland habitats. The museum exhibits include local natural history, rocks and minerals, sea shells, nature art, and personal cultural collections of our founder, Bessie Heard. Programs for pre-school through adults emphasize understanding the local environment.

(1063)

Houston Arboretum and Nature Center

4501 Woodway Dr.
Houston, TX 77024
(713) 681-8433
Director: James M. Sulentich
Contact: Patricia Marks, Senior Naturalist
Operator: City of Houston/Houston Arboretum

> Open to youth groups and the general public. Day programs. Open every day. Hours: 8:30-dusk Fall-Winter: 8:30-6. Annual budget $250-500,000. 5 Full-time staff. 155 Acres. Newsletter.

Mission: The Houston Arboretum and Botanical Society strives to preserve habitats native to the Houston area through its management of the Houston Arboretum and Nature Center, and educate people to its significance.

Site and Program Features: Within the 155 acres of the Houston Arboretum and Nature Center, the society preserves and exhibits the following native habitats: mixed pine and hardwood forests, Gulf Coast prairie, riparian community association with Buffalo Bayou and swamp. Specimen plantings of species native to Harris County, Texas, are labeled for visitors.

Unique Features: Buffalo Bayou provides the southern boundary to the facility and serves as a wildlife corridor.

(1064)

Houston I.S.P. Outdoor Ed. Center

Rt. 2, Box 25B
Trinity, TX 75862
(409) 594-2541
Director: Tom McGee
Contact: Tom Casper, Coordinator

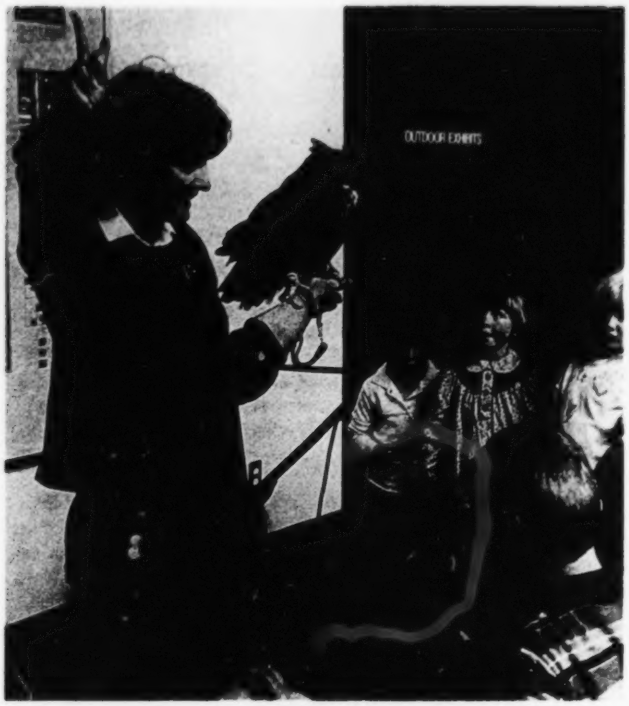
> Open to youth groups and the general public. Conference facilities. Multi-day programs. School use Sept.-May; camp June-Aug. Annual budget more than $1,000,000. 2 Full-time staff. 100 Acres. Lodging. Fees charged for facility use.

Mission: Our mission is to provide multi-sensory integrated natural experiences to innercity students in a residential setting, and to foster a caringness for man to nature, and man to man.

Site and Program Features: (1) Abundant wildlife: alligators, fox, beaver, bobcats, bald eagles, osprey and other wildlife. (2) Well-trained highly motivated caring staff. (3) Unique botanical setting: close to Big Thickett area, large diversity of plant types.

Unique Features: Our site features tall pines, mixed hardwoods, and a shallow lake with abundant waterfowl in winter.

the Heard
NATURAL SCIENCE MUSEUM
& WILDLIFE SANCTUARY



A great horned owl steals the day at Oregon's High Desert Museum.

(1065)

Houston Museum of Natural Science

One Hermann Circle Dr.
Houston, TX 77030
(713) 639-4650

Director: Truett Latimer
Contact: Dr. Richard J. Baldauf, Director of Education

Open every day. Hours: T-Sat 9-5; Sun-Mon 12-5 Closed Thanksgiving, Christmas, New Year's. Annual budget more than $1,000,000. 30 Full-time staff. Newsletter

Mission: The purpose of the Houston Museum of Natural Science is to preserve and advance the general knowledge of natural science, to enhance in individuals the knowledge of and delight of natural science and related subjects; and to maintain and promote a museum of the first class.

Site and Program Features: We conduct classes for diverse school districts; conduct monthly one-day field trips; provide special teenage programs; house the first Challenger Center Affiliate (space flight simulator); hold adult science seminars; conduct the Young Astronauts program. An observatory is on site and an observatory is under construction at a near-by state park. We have a major NSF grant to produce teaching materials for schools (national). Our museum also has a monthly film series, a planetarium, and an IMAX theater. We serve about 200,000 people in direct educational programming in addition to 600,000 other visitors. World class collections are on exhibit.

Unique Features: Satellite facility at state park with observatory; 2061 simulator (mission control and space flight simulator; and the first Challenger Center affiliate.

(1066)

Judge Roy Bean Visitor Center

Box 160
Langtry, TX 78871
(915) 291-3340 FAX: (915) 291-3366

Director: Vernon N. Billings
Operator: Texas Dept. of Highways & Pub. Trans.

Open to the general public. Day programs. Open every day. Hours: 8-5 Closed on major holidays. Annual budget $50-100,000. 4 Full-time staff. 2 Acres.

(1067)

Laguna Atascosa National Wildlife Refuge

Box 450
Rio Hondo, TX 78583
(512) 748-3607

Director: Ray Rauch
Contact: Marie Fernandez, Asst. Refuge Manager
Operator: U.S. Fish & Wildlife Service

Open to youth groups and the general public. Day programs. Open every day. Seasonal changes in schedule. Hours: 10-4. 5 Full-time staff. 45,000 Acres. Fees charged for facility use.

Mission: The mission of Laguna Atascosa NWR is to provide habitat for native plants and animals of the lower Rio Grande Valley.

Site and Program Features: The refuge is both semi-arid and subtropical, representing a biological transition zone. Excellent opportunities exist for observing a variety of wildlife. Two tour roads are open daily. Fall and winter are best for observing the concentrations of migratory ducks, geese and sandhill cranes.

Unique Features: Laguna Atascosa National Wildlife Refuge is located on the lower Gulf Coast of Texas. It is the southernmost waterfowl refuge in the U.S. A variety of habitats exist on the refuge. The coastal influence has created estuaries and salt flats. As elevation increases a few feet, changes in soil moisture and salinity favor thorny-brush and savannah.

(1068)

Lake Meredith Aquatic & Wildlife Museum

104 N. Robey St.
P.O. Box 758
Fritch, TX 79036
(806) 857-2458

Director: Margaret E. Savage
Operator: City of Fritch

Open to youth groups and the general public. Day programs. Open every day except Monday. Hours: T-Sat 8:30-5; Sun 2-5. Annual budget $25-50,000. 1 Full-time staff.

Unique Features: We have the only large aquariums in the Texas Panhandle (11,000 gallons of water in 5 aquariums).

(1069)

Pat Mayse Lake

U.S. Army Corps of Engineers
Rt. 1, Box 565
Powderly, TX 75473
(214) 732-3020

Contact: Paul D. Gray
Operator: U.S. Army Corps of Engineers

Open to the general public. Open every day. Annual budget $500K-1,000,000. 5 Full-time staff. Camping.

Mission: In addition to providing downstream flood control and water supply for Paris, Texas, Pat Mayse Lake offers visitors many opportunities for a memorable outdoor recreation experience. The Corps of Engineers at Pat Mayse wishes everyone a safe, enjoyable stay while visiting our lake.

Site and Program Features: Pat Mayse Lake provides an attractive outdoor setting for anyone who is wanting to camp, picnic, hunt or fish, swim or just sight see. The lake area consists of a mixture of grassland and forest; the terrain slopes gently to the water's edge, creating an attractive shoreline.

(1070)

McAllen International Museum

1900 Nolana
McAllen, TX 78504
(512) 682-1564

Director: David A. Ross
Operator: McAllen International Museum

Open to youth groups and the general public. Conference facilities. Day programs. Open every day except Monday. Hours: T-Sat. 9-5; Sun. 1-5 Closed on major holidays. Annual budget $250-500,000. 4 Full-time staff. 6 Acres. Newsletter.

Mission: The purposes of the McAllen International Museum are to provide exhibits and educational programs in the Arts and the Sciences. As an educational institution, its goals are to preserve the past, record the present, and provide perspective for the future through the collection and care of objects of scientific and artistic value.

Site and Program Features: Our site and building are available to everyone. Our programs are quite diverse in subject and change with regularity. A common exhibit combines the arts and the sciences in some fashion.

(1071)

Muleshoe National Wildlife Refuge

P.O. Box 549
Muleshoe, TX 79347
(806) 946-3341

Open to youth groups and the general public. Day programs. Open every day except Saturday, Sunday. Hours: 8-4:30. Annual budget $50-100,000. 1 Full-time staff. 5809 Acres. Camping.

Mission: To provide wintering habitat for sandhill cranes and waterfowl; provide habitat and environment for other wildlife including marsh and water birds, shore birds and raptors; expand the public's understanding and appreciation of wildlife and the wildlife environment.

Site and Program Features: Wildlife in natural wildlife habitat with interpretive visitor tour road with small interpretive visitor center at the headquarters.

(1072)

Padre Island National Seashore

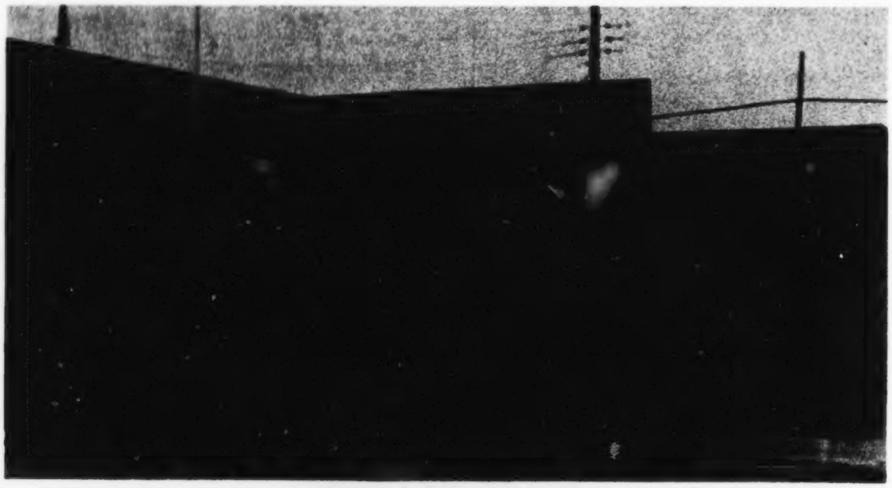
9405 S. Padre Island Dr.
Corpus Christi, TX 78418
(512) 949-8173

Director: John Hunter
Contact: Robert G. Whistler, Chief Naturalist
Operator: National Park Service

Open to youth groups and the general public. Day programs. Open every day. Hours: 9-4.Summer Hours: 9-6. Annual budget more than $1,000,000. 2 Full-time staff. 133,400 Acres. Camping. Fees charged for facility use.

Mission: Padre Island National Seashore was set aside for the people and for future generations of people. It is an outdoor classroom, a barrier island system to enjoy, to recreate in and to view both natural resources and seasonal ones. It offers dramatic insight into natural and man-made impacts and is an indicator of our environmental health.

Unique Features: This is the longest barrier island along continental U.S. Historically some 110 miles long. Has large dune systems, shell beaches, interior grasslands, freshwater ponds, and back island mud flats.



Lake Meredith, Texas nature center

(1073)

Santa Ana National Wildlife Refuge

Rt. 2, Box 202A
Alamo, TX 78516
(512) 787-7861
Contact: Nancy A. Morrissey, Outdoor Rec. Planner
Operator: U.S. Fish & Wildlife Service

> Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: M-F 8-4:30; Sat.-Sun. 9-4:30 Annual budget $500K-1,000,000. 20 Full-time staff. 2080 Acres.

Mission: Santa Ana NWR, a 2,080-acre subtropical thorn woodland, supports a wide variety of subtropical plants and animals found nowhere else in the U.S. Our mission is to educate the public about the diminishing wildlands/wildlife and our efforts to preserve, protect and revegetate 11 distinct plant communities and the wildlife it sustains through an active land acquisition program called the Wildlife Corridor. The Corridor will protect the following endangered species: Ocelot, jaguarundi, brown pelican, wood stork, bald eagle, peregrine falcon, piping plover, and the least tern.

Site and Program Features: Santa Ana operates an interpretive tram during the heavy visitation months of Nov. to April through a cooperative agreement with the Frontera Audubon Society. This is an excellent management tool to reduce vehicular traffic on the refuge and educate the visitors about our land acquisition program and how individuals can get involved. Free education tram tours are offered to local school groups. Fifty free tours will be offered in the school year 1989/1990.

Unique Features: Our site features subtropical plants and animals.

(1074)

Sea Rim State Park - Texas

P.O. Box 1066
Sabine Pass, TX 77655
(409) 971-2559
Director: Bill McDaniel

> Open every day. Hours: 8-5. Annual budget $100-250,000. 10 Full-time staff. 15,000 Acres. Fees charged for facility use.

Mission: To provide a safe, clean recreational environment with nature study opportunities.

Site and Program Features: Special features include (1) Salt Marsh interpretive complex, (2) campsites with hook-ups, (3) heated restrooms and showers, (4) primitive camping on beach, (5) fishing, and (6) one-mile boardwalk over marsh.

(1075)

Smith Visitor Center - McKinney Falls State Park

7102 Scenic Loop
Austin, TX 78744
(512) 243-2177
Director: Bruce Bunn
Contact: Scott Galaway, Park Interpreter
Operator: Texas Parks & Wildlife Dept.

> Open to youth groups and the general public. Day programs. Open every day except Monday, Tuesday. Hours: Tues-Sun 9-5. Seasonal changes in schedule. Annual budget $50-100,000. 3 Full-time staff. 340 Acres. Lodging. Camping. Fees charged for facility use.

Mission: To educate the public on the importance of natural resources. To use the outdoors for education and for recreation in a proper manner.

Site and Program Features: Named for Thomas Freeman McKinney, an original colonist of Stephen F. Austin and a prominent breeder of race horses, the park is situated in a transition zone between the Blackland Prairie and the Edwards Plateau. This gives the park a unique environment. Programs are fun with an educational goal.

(1076)

Strecker Museum

Baylor University
Waco, TX 76798
(817) 755-1110
Director: Calvin B. Smith
Contact: Rene Harris, Director of Education
Operator: Baylor University

> Open to youth groups and the general public. Open every day. Hours: M-F 9-4; Sat 10-1; Sun 2-5 Annual budget $250-500,000. 3 Full-time staff. 13 Acres. Newsletter.

Mission: The Strecker Museum has had as its purpose, since its inception in 1893, the education enrichment, by visual and other means, of the students of Baylor University, the people of Central Texas and others visiting the museum. It serves as a permanent depository for reference materials of natural and cultural history, and researches, interprets, and displays objects of natural and cultural history.

Site and Program Features: Planned 13-acre site with new 80,000 sq. ft. museum, 23-building 1895 river town, and a natural area including river, slough, backwater, wetland, and pond area. New areas opening in 1993. Currently have classes in all areas of natural and cultural history.

(1077)

Texas Memorial Museum

2400 Trinity
Austin, TX 78705
(512) 471-1604
Director: Dr. William G. Reeder
Contact: Dorothy Young, Education Coordinator
Operator: University of Texas at Austin

Open to youth groups and the general public. Day programs. Open every day. Hours: M-F 9-5; Sat-Sun 1-5 Closed on major holidays. Annual budget $250-500,000. 25 Full-time staff. 1 Acre.

Mission: The museum is dedicated to the study and interpretation of the natural and social sciences, with emphasis on Texas.

Site and Program Features: The museum has strong internationally known research collections and laboratories in the fields of geology, paleontology, zoology, botany, ecology, anthropology and history.

(1078)

The Valley Nature Center

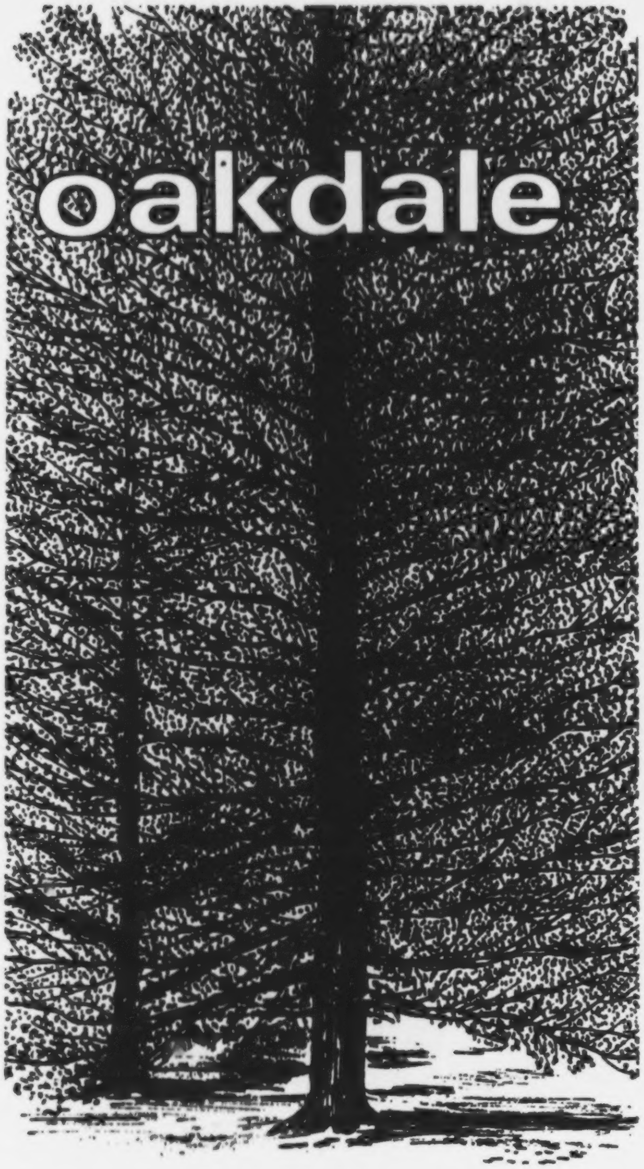
Box 8125
Weslaco, TX 78596
(512) 969-2475
Director: Mike Lewis
Contact: Betty Ashworth, Pres. Board of Dir.

Open to youth groups and the general public. Conference facilities. Day programs. Open every day except Sunday. Hours: 9-1 Closed on major holidays. Annual budget $10-25,000. 6 Acres. Newsletter.

Mission: The unique environment of the Rio Grande Valley is in great danger of being lost to development. Over 90% of the land is taken for non-natural uses. We feel that education is the answer to our habitat conservation ideals. We intend on reaching the children throughout our area with workshops, teacher training and school programs to instill values about wildlife that remain with them as they reach adulthood.

Site and Program Features: We are located in an urban setting, yet our park has over five acres of native habitat, among them the world's largest Coyotillo. Our programs are led by a variety of quality individuals, from kindergarten teachers to university professors, refuge managers to animal rehabilitators. The strength of our programs comes from the outstanding volunteer staff.

Unique Features: This habitat is very unique because of the blending of 4 different types of habitat: desert, coastal, thorn forest, and semi-tropical. In addition, the migratory flyways of North America funnel into our area from the Rio Grande and Gulf Coast.



Oakdale Nature Preserve

the place
to get to know...

See description on page 198.

The archeological excavation is another dimension of environmental education. Photo courtesy of Parks and Recreation Department, Austin, TX.

(1079)

Canyonlands Field Institute

Box 68
Moab, UT 84532
(801) 259-7750

Director: Karla VanderZanden

Open to youth groups and the general public. Day and multi-day programs. Annual budget $100-250,000. 4 Full-time staff. Newsletter.

Mission: Our goal is to increase people's awareness about the diverse people and landscapes of the Colorado Plateau; to respectfully investigate this changing region. Wisdom and balance are acquired by understanding the natural world and our connections to it. CFI wants to help people understand this language of the land.

Site and Program Features: The proximity to desert and mountain enables CFI to teach in and about ecosystems ranging from the river to slickock to Aspen groves. We utilize this region through backpacking, mountain biking, river running and van tour seminars, all taught by instructors who have a desire to share their experience with others.

(1080)

Children's Museum of Utah

840 N. 300 W.
Salt Lake City, UT 84103
(801) 328-3383

Director: Jackqueline K. Greb
Contact: Elaine Christensen, Ed. Coordinator

Open to youth groups and the general public. Day programs. Open every day except Monday, Sunday. Hours: 9:30-5 Closed on major holidays. Annual budget $100-250,000. 5 Full-time staff. 5 Acres. Fees charged for facility use. Newsletter.

Mission: The mission of the Children's Museum of Utah is to provide successful learning experiences in science, the arts, and other cultures through museum exhibits and programs; and to encourage and reward creativity, curiosity, and self-confidence.

Site and Program Features: The Children's Museum of Utah provides a unique learning environment for families. During your visit, you will discover hands-on exhibits that explore science, technology, and every day life. They provide exciting opportunities for exploring how and why things work; and the exhibits encourage you to indulge your curiosity.

Unique Features: We are housed in the old Wasatch Plunge Building which was erected in 1923. The building covers 39,000 sq. ft. and is made completely of concrete. It was constructed using the continuous flow method and took crews over two weeks to pour the concrete–non-stop, around-the-clock.

(1081)

Dinosaur National Monument

Box 128
Jensen, UT 84035
(801) 789-2115

Director: Denny Huffman
Contact: David Whitman, Chief of Interpretation
Operator: National Park Service

Open to youth groups and the general public. Day programs. Open every day. Hours: 8-7 Winter: 8-5. 3 Full-time staff. 211,000 Acres. Camping. Fees charged for facility use. Newsletter.

Mission: Our mission is to preserve the monuments resources (scientific, geological, archeological, historical and natural) while making them available to the public. To encourage low impact living in the monument and on the earth.

Site and Program Features: Our staff of interpretive park rangers provides a series of activities and programs (talks, walks, campfire programs) to educate and entertain visitors. We talk to school groups at the Dinosaur Fossil Quarry during school months, take environmental education programs to local schools and offer a summer day-long Young Naturalist Program.

(1082)

Fish Springs National Wildlife Refuge

U.S. DEPARTMENT OF THE INTERIOR
MARCH 3, 1849

Box 568
Dugway, UT 84022
(801) 831-5353

Contact: Jim Savery, Refuge Manager
Operator: U.S. Fish & Wildlife Service

Open to youth groups and the general public. Day programs. Open every day. Hours: Sunrise to sunset. Annual budget $100-250,000. 4 Full-time staff. 18,000 Acres.

Mission: Our mission is waterfowl habitat and production, and wildlife habitat protection and management.

Site and Program Features: Programs are geared to habitat and wildlife management. There are no public use programs currently in place.

(1083)

Four Corners School of Outdoor Education

East Rt.
Monticello, UT 84535
(801) 587-2859
Director: Janet Ross

Open to youth groups and the general public. Day and multi-day programs. Open every day. Hours: 8-6. Annual budget $50-100,000. 1 Full-time staff. 13 Acres. Lodging. Camping.

Mission: Four Corners School is committed to quality outdoor environmental education in the humanities and sciences. We offer educational programs and scientific field research in the natural and human history of the Colorado Plateau country.

Site and Program Features: By blending science and humanities, we hope to enhance education, knowledge and awareness of this unspoiled region. We are also committed to the responsible stewardship of the world's resources using the Colorado Plateau as a model. All programs have an of objective completing a research report, journal or educational project.

(1084)

Mill Hollow Education Center

Granite School District 340
E. 3545 South
Salt Lake City, UT 84115
(801) 268-8541
Director: Dr. Patricia Gurr
Contact: Claudia Thorum, Staff Assistant

Open to youth groups and the general public. Conference facilities. Multi-day programs. Open every day except Sunday. Open June - October. Annual budget $100-250,000. 300 Part-time staff. 15 Acres. Lodging. Fees charged for facility use.

Mission: To provide quality educational and recreational experiences for students of all ages, and to further develop their ability to appreciate, value, and protect the environment around them. To instill in each student a greater sense of his or her own unique worth, as well as his or her relationship to each other, and the world in which we live.

Site and Program Features: The Mill Hollow Outdoor Education center is located 65 miles southeast of Salt Lake City at an elevation of 8,900'. The lodge and cabins are nestled in a secluded alpine canyon on the south rim of the Uinta Mountains, surrounded by conifer and aspen forests. This natural setting provides unique opportunities for students to gain knowledge as they discover the joys of nature.

NORWEGIAN
SCHOOL
of NATURE LIFE

(1085)

The Norwegian School of Nature Life

544 Park Ave.
Park City, UT 84060
(801) 649-5322 FAX: (801) 649-5981
Director: Tom Cammermeyer

Open to the general public. Conference facilities. Open every day. Hours: As needed. Annual budget $10-25,000. 17 Part-time staff. Fees charged for facility use.

Mission: To undertake, promote and foster educational programs including but not necessarily limited to classes, courses, meetings, forums, seminars, studies, analysis, and research in nature in respect to environmental and recreational problems, programs and issues affecting the health, welfare and public interest of local, state, national and international society.

Unique Features: All of the nature treks are locally within Park City Mountains of three hour or less tours. Longer nature treks use other Forest Service land and Uinta Mountains.

(1086)

Ogden Nature Center

966 W. 12th
Ogden, UT 84404
(801) 621-7595
Director: Jerry W. Cole
Operator: Greater Ogden Nature Center Board

Open to youth groups and the general public. Day programs. Open every day except Sunday. Hours: 10-4, Summer hours extended to 8, Closed on major holidays. Annual budget $25-50,000. 1 Full-time staff. 127 Acres. Fees charged for facility use. Newsletter.

Mission: The Ogden Nature Center is a 127-acre wildlife habitat dedicated to the development of environmental awareness and to the preservation of Utah's natural heritage and resources. Since 1977, visitors have been discovering their "peace" in nature through education, science and recreation.

Unique Features: The main site is 127 acres of land. We have a 22-acre site on 1400 N. Mountain Rd. which is at the foot of the mountains. No facilities.

(1087)

Red Canyon Visitor Center

Flaming Gorge National Rec. Area
P.O. Box 157
Dutch John, UT 84023
(801) 885-3315

Director: Steve Sams
Contact: Lee Skarelund, Supervisory Forester
Operator: U.S. Forest Service

Open to youth groups and the general public. Conference facilities. Day and multi-day programs. Open every day. Hours: 9:30-5 Open Memorial Day-Labor Day. 285,000 Acres. Lodging. Camping.

Mission: This is a public visitor center operated by the U.S. Forest Service. Goals are to orientate visitors to local natural and cultural history of the national recreation area.

Site and Program Features: Beautiful scenic vista overlooking 1,400' drop into Red Canyon. Exhibits on natural and cultural history. Recent re-introductions of bighorn sheep and peregrine falcons are sometimes visible.

Unique Features: Varied habitat from high desert to alpine is within the area. A man-made lake is on Green River. Excellent trout fisheries, rafting, boating, and hiking opportunities abound. Abundant wildlife including mule deer, elk, moose, pronghorn, big horn, small mammals and Western bird species are present. Excellent late spring-early summer wildflowers and dramatic geological scenery are present.

(1089)

Utah Field of Natural History State Park

235 E. Main
Vernal, UT 84078
(801) 789-3799

Contact: Alden H. Hambli, Park Superintendent
Operator: Utah Div. of Parks & Rec.

Open to youth groups and the general public. Day programs. Open every day. Hours: Memorial-Labor Day: 8 am-9 pm Rest of year: 9-5. Annual budget $100-250,000. 2 Full-time staff. 2 Acres. Fees charged for facility use.

Mission: The Utah Field House of Natural History is one of Utah's State Parks. Part of the mission of the Division of State Parks is to promote "the wise use of areas of scenic beauty, recreational utility, historic, archaeological or scientific interest, to the end that the health, happiness, recreational opportunities and wholesome enjoyment of life of the people may be further encouraged . . ."

Site and Program Features: (1) Museum featuring natural history of the Uinta Basin and Uinta Mountains–major emphasis is on geology and paleontology. (2) Dinosaur Garden–features 16 life-sized prehistoric animals.

(1088)

State Arboretum of Utah

Bldg. 436
University of Utah
Salt Lake City, UT 84112
(801) 581-4938

Director: W. Richard Hildreth
Contact: Dr. Betty Wullstein, Curator of Education
Operator: University of Utah

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: 8:30-dark Annual budget more than $1,000,000. 4 Full-time staff. 148 Acres. Newsletter.

Mission: The mission is to educate the population of Utah, to make them aware of the great natural diversity of the state. We are hoping to achieve this mission through our many educational We strive to get people of all ages to visit our facility and participate in our educational programs.

Site and Program Features: Nearly all of the 9,000 + trees have name tags. All the trees in the Red Butte Gardens have name tags, as do the shrubs and flowers. We give guided educational tours to over 4,000 school children yearly. We also reach about 600 school children through our outreach program and conduct workshops for over 200 public and private school teachers. We are making a video with Utah Education Media which will be available to all schools.

A skillful naturalist can easily create the interface between a new user group and the natural world they'll soon examine.

(1090)

The Fairbanks Museum and Planetarium

Main and Prospect Sts.
St. Johnsbury, VT 05819
(802) 748-2372
Director: Howard Reed
Contact: Charles Browne, Co-Director

Open to youth groups and the general public. Day programs. Open every day. Hours: 10-4; except 1-5 Sun Extended hrs. Jul-Aug Closed on major holidays. Annual budget $250-500,000. 7 Full-time staff. 4 Acres. Fees charged for facility use. Newsletter.

Mission: The Fairbanks Museum and Planetarium exhibits the largest collection of natural science specimens in northern New England. The goals of the museum are to use its collections, exhibits, professional staff and other resources to educate youth and adults of the region to a deeper understanding and appreciation of the natural and human environments, especially those of northern New England.

Site and Program Features: The Fairbanks Museum houses elegant displays and dioramas of native and exotic birds and mammals. In addition, the museum operates the only public planetarium in northern New England; an operating weather observation and forecasting center; exhibits on physical sciences; a small collection of live wild and domesticated animals in a park-like setting; and full instructional facilities, all in a historic museum building.

(1091)

Green Mountain Audubon Nature Center

RD 1, Box 189
Richmond, VT 05477
(802) 434-3068
Director: David Bailey

Open to youth groups and the general public. Day programs. Open every day. Hours: M-F 9-5; S-S 1-4. Annual budget $50-100,000. 2 Full-time staff. 300 Acres. Newsletter.

Mission: To provide a facility and program that promote conservation and environmental education to all ages. Through its programs and resources, the center serves as a positive role model for a community that fosters cooperative attitudes among people and between people and their natural environment.

Site and Program Features: Our 300-acre sanctuary contains an outstanding diversity of habitats, including forest, field, pond, stream, swamp, river and a working sugar bush. Our programs are diverse as well with a special emphasis on seasonal celebrations which combine natural history, music, story telling, dance, seasonal changes and traditional lore.

Conservation Education Association

The Conservation Education Association, one of several professional organizations serving natural science centers (see Appendix B).

(1092)

Keewaydin Environmental Education Center

Rt. 53
Salisbury, VT 05769
(802) 352-4247
Director: Barry King
Operator: Keewaydin Foundation

Open to youth groups. Conference facilities. Multi-day programs. Open every day. 4 Full-time staff. 368 Acres.

Mission: Our mission is, 1) through natural history and social studies to allow students to become more aware of the environment surrounding them, of the effect they have upon it and how to lessen the effect, 2) to provide an experience in which cooperation rather than competition leads to success, 3) to provide students with the means to learn how to learn.

Site and Program Features: A multidisciplinary approach to learning allows students to see the interrelationships of all life. Keewaydin has a great variety of natural communities as well as convenient access to sites excellent for the teaching of local history. Communal living reinforces the lessons learned in the study of natural communities.

(1093)

Merck Forest & Farmland Center

P.O. Box 86 (Rte. 315)
Rupert, VT 05768
(802) 394-7836
Director: John J. Parker
Operator: Merck Forest Foundation

Open to youth groups and the general public. Day programs. Open every day. Hours: Daylight hours (except regist. campers). Annual budget $100-250,000. 5 Full-time staff. 2700 Acres. Camping. Newsletter.

Mission: The mission of the Merck Forest and Farmland Center is to teach the land ethic through caring for and managing the forest, by providing educational and recreational experiences to enrich the lives of those who come here, helping them and others to become good stewards of our world.

Site and Program Features: The Merck Forest and Farmland Center is a 2,700-acre forest preserve in the Taconic Mountains of southwestern Vermont. Managed by a private nonprofit organization, activities include education, recreation, forestry, a small diversified farm, and maple sugaring operation.

(1094)

Missisquoi National Wildlife Refuge

Rt. 78, Swanton P.O. Box 163
Swanton, VT 05488
(802) 868-4781

Contact: Robert A. Zelley, Refuge Manager
Operator: U.S. Fish & Wildlife Service

Open to youth groups and the general public. Open every day. Hours: Dawn to dusk; office open M-F 8-4:30. Annual budget $100-250,000. 4 Full-time staff. 5839 Acres.

Mission: Established in 1943, pursuant to the Migratory Bird Conservation Act, the refuge provides an important feeding, resting and breeding area for migratory birds, particularly waterfowl. The refuge also encourages wise wildlife-oriented recreation, interpretation and environmental education for the public's benefit.

Site and Program Features: The refuge and surrounding area provide an important feeding, resting and breeding area for migratory birds, particularly waterfowl. The Shad Island great blue heron rookery presently produces an estimated 900-1,000 young annually and is probably the largest such colony in Vermont. Federally endangered species, such as the bald eagle and the peregrine falcon, also use the refuge occasionally.

Unique Features: The refuge is located on the eastern shore of Lake Champlain near the Canadian border. It encompasses 5,389 acres, a little over 95% of the 6,000-acre Missisquoi River delta. About 1/3 of the area is swamp dominated by silver maple.

(1095)

Montshire Museum

P.O. Box 770
Norwich, VT 05055
(802) 649-2200

Director: David Goudy
Contact: Peter Miller, Public Relations Manager

MONTSHIRE
Museum of Science

Open to youth groups and the general public. Day programs. Open every day. Hours: M-Sat. 10-5; Sun. 1-5 Closed on major holidays. Annual budget $500K-1,000,000. 17 Full-time staff. 100 Acres. Fees charged for facility use. Newsletter.

Mission: Montshire is a regional science museum offering a range of exhibits, programs, and activities in the natural and physical sciences.

Site and Program Features: Montshire's site features nearly one mile of frontage on the Connecticut River, 100 acres of northern forest habitat, and a 25,000 sq. ft. museum building. Museum vehicles service extensive science outreach programs throughout Vermont and New Hampshire.

Vermont Institute of Natural Science's Headquarters, Raptor Center and Nature Trails. Photo by Robert Hawthorn

(1096)

Vermont Institute of Natural Science

P.O. Box 86
Churchill Rd.
Woodstock, VT 05091
(802) 457-2779

Director: Sarah B. Laughlin
Contact: Jenepher Lingelbach, Dir. of Education

Open to youth groups and the general public. Day programs. Open every day. Hours: 10-4. Annual budget $500K-1,000,000. 9 Full-time staff. 77 Acres. Lodging. Newsletter.

Mission: VINS' goal is to educate people towards an appreciation and understanding of the complex interrelationships within the natural world, and of humankind's responsibility to recognize and protect them. Through statewide outreach programs for children and adults, plus the Vermont Raptor Center and varied presentations on site, VINS seeks to connect people to the natural environment.

Site and Program Features: VINS' two unique features are the Vermont Raptor Center and the ELF program (Environmental Learning for the Future). The Vermont Raptor Center is an outdoor museum displaying 26 species of hawks, owls, and eagles, birds with permanent injuries that prevent their release. The ELF program annually trains parent volunteers in their local elementary schools to teach natural science to students through hands-on activities. VINS' nationally acclaimed book "Hands-On Nature" offers the information and activities used in ELF.

(1097)

Burgundy Center for Wildlife Studies

3700 Burgundy Rd.
Alexandria, VA 22303
(703) 960-3431
Director: Lavinia Schoene
Operator: Burgundy Farm Country Day School

Open to youth groups. Multi-day programs. Open every day. Seasonal changes in schedule. Closed Nov. 1 - April 1. Annual budget $25-50,000. 2 Full-time staff. 450 Acres. Lodging.

Mission: We help children to see themselves and live as an integral part of the natural world through their increased knowledge and understanding of the organisms, forces and resulting ecology of the area. We support science education and personal growth simultaneously.

Site and Program Features: Cooper's Cove is a remote valley 2 1/2 hours drive from Washington, DC. It includes a wide variety of Appalachian habitats: spring-fed stream and pond, marsh, fields, thickets and woodlands. The area supports a wide variety of wildlife. Staff/camper ratio of 1:2 allows for small groups and individual attention. Campers do individual projects. The small program allows for friendships and a real sense of community.

Unique Features: We are in a cove (surrounded by ridges) yet 20 minutes away from town, and six miles from a major highway. One has a sense of complete isolation. The sanctuary includes several unusual plants and animals.

(1098)

Chincoteague National Wildlife Refuge

P.O. Box 62
Chincoteague, VA 23336
(804) 336-6122
Contact: John D. Schroer, Refuge Manager
Operator: U.S. Fish & Wildlife Service

Open to youth groups and the general public. Open every day. Hours: 9-4 Seasonal changes in schedule. Annual budget $500K-1,000,000. 14 Full-time staff. 10,000 Acres. Fees charged for facility use.

Mission: The Chincoteague NWR provides and manages habitat for waterfowl and other migratory birds. It also protects and manages threatened and endangered species and provides wildlife-oriented public use.

Site and Program Features: Two endangered species are found on the refuge: the Delmarua Peninsula fox squirrel and a resident pare of peregrine falcons. Also, the threatened piping plover nest on the refuge beach. Hiking and biking trails wind through a variety of habitats and wildlife interpretive programs are presented from Easter through Thanksgiving.

(1099)

Chippokes Plantation State Park

Rt. 1, Box 213
Surry, VA 23883
(804) 294-3625
Director: Danette McAdoo
Contact: Cindy Frenzel, Chief Ranger
Operator: Virginia Dept. of Conserv. & Hist. Res.

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: Summer: 8-4:30 Seasonal changes in schedule. Annual budget $100-250,000. 7 Full-time staff. 1683 Acres. Fees charged for facility use. Newsletter.

Mission: Chippokes Plantation State Park offers recreational opportunities and modern facilities to compliment the historic plantation and its spectacular formal gardens. The antebellum mansion and the garden pantry gift shop are open for tours during the summer months and during the annual Christmas Tour and Garden Week in April.

Site and Program Features: Chippokes also offers a visitor center, swimming pool complex, picnic areas, and a bike/hike trail fronting the scenic lower James River. A modern campground will be developed in the park by 1992. A conference shelter is available for use by organized historical, agricultural or educational groups.

Unique Features: The park is located along the James River across from Jamestown Island, the first permanent English settlement in Virginia. The park contains 2 miles of shoreline, a tidal marsh, many old, beautiful trees in the forest and along the roadways, and a planted loblolly pine forest along the entrance road.

(1100)

False Cape State Park

Division of State Parks
4001 Sandpiper Rd.
Virginia Beach, VA 23456
(804) 426-7128
Director: Bud Leynes
Contact: Brian Heft, Asst. Superintendent
Operator: Comm. of Virginia

Open to youth groups. Day and multi-day programs. Open every day. Annual budget $100-250,000. 5 Full-time staff. 4321 Acres. Lodging. Camping.

Mission: We are facilitators for groups studying the environment in this unique setting.

Unique Features: Our site features six miles of barrier spit, ocean on one side, sound or back bay on the other.

(1101)

Hidden Oaks Nature Center

4030 Hummer Rd.
Box 236
Annandale, VA 22003
Operator: Fairfax County Park Authority

Open to youth groups and the general public. Conference facilities. Day programs. Open every day except Tuesday. Hours: M,W-F 9-5; Sat.-Sun. 12-5 Jan.-Feb. closed weekdays Annual budget $100-250,000. 2 Full-time staff. 52 Acres. Newsletter.

Mission: At Hidden Oaks Nature Center and the surrounding park land, visitors may explore the evidence of their changing landscape. A more indepth look is sought and new understanding leading to wise decision making is the desired end result.

Site and Program Features: Located in the heart of Fairfax County, Virginia, the nature center is surrounded by acres of upland forest hardwood. Nearby streams, field and pine groves invite the visitor to step out and explore. The center also has exhibits, a variety of publications and programs year round for schools, special groups and the general public.

(1102)

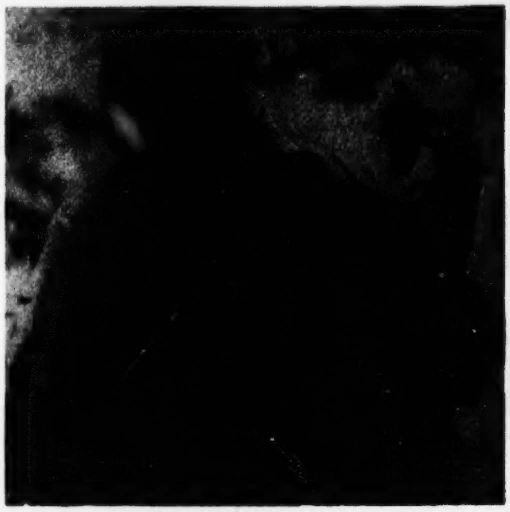
Hidden Pond Nature Center

8511 Greeley Blvd.
Springfield, VA 22152
(703) 451-9588
Director: Jim Pomeroy
Operator: Fairfax County Park Authority

Open to youth groups and the general public. Day programs. Open every day. Hours: 9-5; except Sat-Sun 12-5 Jan-Feb open weekends only Closed on major holidays. Annual budget $50-100,000. 2 Full-time staff. 200 Acres.

Mission: Our ultimate goal is a better informed citizenry; a citizenry sensitive to the interrelationship between man and the environment, willing to assume responsibility and capable of informed decision making.

Site and Program Features: The nature center, which is accessible to everyone, features exhibits and live displays which orient visitors to the park and the natural world of Fairfax County. Also featured are streamside and woodland walking trails, self-guided nature trail and 1-acre pond. Staff offer walks, field strips, workshops, and demonstrations on a variety of topics.



A knowledgeable and skillful group leader makes things happen during a natural investigation. Photo courtesy of Long Branch Nature Center

(1103)

Huntley Meadows Park

Fairfax County Park Authority
3701 Lockheed Blvd.
Alexandria, VA 22306
(703) 768-2525
Director: Gary Roisum
Contact: Carolyn Gamble, Site Manager

Open to youth groups and the general public. Conference facilities. Day programs. Open every day except Tuesday. Hours: M, W-F 9-5; Sat.-Sun. 12-5 Visitor center closed M-F during Jan-Feb. Annual budget $100-250,000. 4 Full-time staff. 1261 Acres.

Mission: To provide quality interpretive services to Fairfax citizenry which will facilitate their awareness and appreciation of the natural and cultural resources in Huntley Meadows Park and the county of Fairfax.

Site and Program Features: Huntley Meadows Park is a rich, natural island in the vast suburban sea of northern Virginia. The 1,261-acre site features forests, meadows and a large freshwater wetland which is home to beaver, otter, fish, herons, rails and a host of other wildlife. The accessibility of this unique and endangered wetland habitat to thousands of visitors each year, including many school groups, is a major strength of the interpretive program.

(1104)

Lake Anna State Park

Rt. 3, Box 1490
Spotsylvania, VA 22553
(703) 854-5503
Director: Tim Vest
Contact: Steve Sabine, Chief Ranger/Interpreter
Operator: Virginia Division of State Parks

Open to youth groups and the general public. Day programs. Open every day. Hours: 8-dusk Memorial Day-Labor Day open 6:30 am-dusk. Annual budget $100-250,000. 3 Full-time staff. 2058 Acres. Fees charged for facility use.

Mission: Our mission is to protect, conserve and manage significant state natural, recreational, historical and cultural resources, and to provide recreational and education services, opportunities and facilities consistent with the need of Virginians and their guests.

(1105)

Laurel Ridge Conservation Ed. Ctr.

National Wildlife Federation
8925 Leesburg Pike
Vienna, VA 22184-0001
(703) 790-4437 FAX: (703) 442-7332

Director: Roy Geiger

Open to youth groups and the general public. Conference facilities. Day programs. Open every day except Saturday, Sunday. Hours: 8-4:30 Closed on major holidays. Annual budget $100-250,000. 2 Full-time staff. 43 Acres. Newsletter.

Mission: To increase the public's awareness of our natural resources, to promote wise use of those resources, to encourage conservation activism (both locally and globally) and to provide facilities and programs that are accessible to all visitors—including those with disabilities.

Site and Program Features: The Laurel Ridge Conservation Education Center is situated on 43 actively managed acres in a suburban setting. Our Wildlife Gallery of Art, research library, gift shop and fully accessible Mountain Laurel Trail and Demonstration Backyard Wildlife Habitat are highlights of our facility. Nature walks, art exhibits, classes and symposia highlight our program schedule.

Unique Features: The uniqueness of the Laurel Ridge Center's site results from the blend of habitats actively managed for a diversity of wildlife throughout the Center's 43 acres.

(1106)

Long Branch Nature Center

625 S. Carlin Springs Rd.
Arlington, VA 22204
(703) 358-6535

Director: Gregory A. Zell
Contact: Denise Chauvette, Park Naturalist
Operator: Arlington County

Open to youth groups and the general public. Conference facilities. Day programs. Open every day except Monday. Hours: 10-5; except Sun 1-5 Closed on major holidays. Annual budget $100-250,000. 3 Full-time staff. 114 Acres.

Mission: Two goals: (1) To provide an opportunity for all citizens to enjoy, experience, appreciate and learn about the natural world through interpretive programming services and environmental education; and (2) To maintain, protect, and conserve high-use parks and natural areas for present and future generations through sound park land management/administration.

Site and Program Features: Long Branch Nature Center exists as a natural oasis within the midst of an increasing urban sprawl. The strength and success of the program lie in the talents and dedication of the staff, reliable funding, and strong citizen support.

Natural Tunnel State Park

(1107)

Mason Neck State Park

7301 High Point Rd.
Lorton, VA 22079
(703) 339-7265

Director: Harvey Thompson
Contact: Shawn Spencer, Chief Ranger/Interpreter

Open to youth groups and the general public. Day programs. Open every day. Hours: 8-dusk. 4 Full-time staff. 1804 Acres. Fees charged for facility use.

(1108)

Natural Tunnel State Park

Rt. 3, Box 250
Duffield, VA 24244
(703) 940-2674

Operator: VA Div. of State Parks

Open to youth groups and the general public. Day programs. Open every day. Hours: 8 to dusk Seasonal changes in schedule. Annual budget $50-100,000. 3 Full-time staff. 625 Acres. Camping. Fees charged for facility use. Newsletter.

Mission: To protect, conserve, and manage the natural resources at Natural Tunnel State Park and to provide recreational and educational services, opportunities, and facilities consistent with the needs of the public.

Site and Program Features: Natural Tunnel State Park offers the public a unique setting for the appreciation of nature. A 3-mile trail system, including one self-guided nature trail, provides breathtaking views of the vast tunnel and surrounding countryside. The new chairlift offers a bird's eye view. Other facilities, operated during the summer, include a visitor center, swimming pool, picnic area, campground, and amphitheater. Interpretive programs are presented throughout the park from Memorial Day to Labor Day.

Unique Features: Natural Tunnel was referred to as "The Eighth Wonder of the World," by politician William Jennings Bryan. The tunnel opening is 850 ft. long and 150 ft. wide. The tunnel ends at the amphitheater, which is a half mile around the rim, rising to a height of 400 ft. Formed by Stock Creek, the rock is basically limestone in content. The constant pounding of the river cut away the steep walls of the mountain, creating the tunnel.

(1109)

Norfolk Botanical Gardens

Norfolk, VA 23518
(804) 441-5386

Director: Jo Anne Gordon
Operator: City of Norfolk Parks & Recreation

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: 8:30 - sunset. Tour schedule. Annual budget more than $1,000,000. 2 Full-time staff. 175 Acres. Newsletter.

Mission: Our mission is to provide the public leisure and educational services and facilities for the benefit of the individual and community enrichment.

Site and Program Features: Norfolk Botanical Gardens is known for its 175 acres of delightful beauty. Over 12 miles of pathways lead visitor through such gardens as the Fragrance Garden for the Blind, Sunken Garden, Japanese Garden, and Colonial Garden. Trackless trains and leisurely drifting canal boats offer visitors a memorable trip through miles of sunlit paths and quiet waterways.

(1110)

Potomac Overlook Regional Park and Nature Center

2845 Marcey Rd.
Arlington, VA 22207

Director: Martin Ogle
Operator: Northern Va. Regional Park Authority

Open to youth groups and the general public. Day programs. Open every day except Monday. Hours: 10-5 Tues-Sat; 1-5 Sun. Annual budget $50-100,000. 2 Full-time staff. 70 Acres. Newsletter.

Mission: Our "theme" at Potomac Overlook is the interrelatedness of people with the environment. Our nature center, displays and programs all reflect this theme, and our goal is to provide information, activities and insights that allow people to rediscover our interrelatedness.

(1111)

Richmond Children's Museum

740 N. Sixth St.
Richmond, VA 23219
(804) 788-4949

Director: Nancy J. Glaser
Contact: Marcy Horwitz, Dir. of Development

Open to youth groups and the general public. Day programs. Open every day except Monday. Hours: 10-4; except Sat 10-5, Sun 1-5 Open Mondays in August. Closed on major holidays. Annual budget $250-500,000. 6 Full-time staff. 1 Acre. Fees charged for facility use. Newsletter.

Mission: The mission of the Richmond Children's Museum is to enrich the lives of children, ages 2 to 12, in the arts, humanities and nature. Programs and exhibits, by design, are participatory and experience oriented.

Site and Program Features: The museum has four exhibit areas: the Art Studio where children can create their own art masterpieces; Play Works where children can experience the adult world; the Performing Arts area where children can improvise on a real stage or watch others perform; and the Cave where children can explore and discover the geological wonders underground in a replica of a Virginia limestone cave.

(1112)

Riverbend Nature Center

8814 Jeffery Road
Great Falls, VA 22066
(703) 759-3211

Contact: Laurel Wanrow, Site Mgr/Naturalist
Operator: Fairfax County Park Authority

Open to youth groups and the general public. Day programs. Open every day except Tuesday. Hours: 9-5; except 12-5 weekends, holidays Winter hrs. vary; please call. Closed on major holidays. Annual budget $25-50,000. 2 Full-time staff. 409 Acres.

Mission: To provide a balanced approach to protection of natural and cultural resources, and the provision of recreational, educational and interpretive services to county residents and visitors.

Site and Program Features: Riverbend Park Consists of a 409-acre upland forest, with smaller meadow, floodplain and pond habitats. The bordering Potomac River and adjacent Great Falls National Park create an accessible, large natural habitat for a variety of wildlife. Highlights include spring wildflowers and migrating warblers. Naturalist staff provide natural history programs for the general public and school/youth groups.

Unique Features: Three miles of floodplain bordering the Potomac River. Adjacent to Great Falls National Park.

(1113)

Seashore State Park

2500 Shore Dr.
Virginia Beach, VA 23451
(804) 481-2131

Contact: Fred Hazlewood, Superintendent
Operator: Div. of Conservation & Historic Resources

Open to youth groups and the general public. Day programs. Open every day. Hours: Sunrise-sunset Visitor Center 9 - 6 Seasonal changes in schedule. 2770 Acres. Lodging. Camping. Fees charged for facility use.

Mission: Our nature and visitor center is responsible for promoting the importance of the park's status both past and future and why we must protect it.

Site and Program Features: Seashore State Park was given Natural Landmark status due to its unique physical features which include dune and scrub zone and cypress-swamp conditions. The programs specialize in creating awareness to the communities both local and statewide. Programs deal in environmental issues on one end to crabbing in the sea on the other side.

Unique Features: Seashore State Park has been designated a Natural Landmark due to its unique characteristics which include scrub-dunes, swamp conditions, which are home to some threatened species, tidal wetlands and desert conditions.

(1114)

Shepherd's Ford Center

Rt. 1, Box 496
Bluemont, VA 22012
(703) 955-3071

Director: Gertrude Watkins

Open to youth groups and the general public. Conference facilities. Multi-day programs. Open every day. Annual budget $25-50,000. 1 Full-time staff. 9 Acres. Lodging. Camping. Fees charged for facility use. Newsletter.

Mission: Sherherd's Ford Center is a comfortable country place to take time for yourself. We have a variety of programs designed for your personal growth and enrichment. We also provide leadership to help your group or business achieve its goals.

Site and Program Features: Our specialty is individually designed programs to meet the unique needs of each client or group. We call on a network of trainers/teachers with a wide variety of skills and talents. Our main emphasis is on interpersonal skills and group problem solving, personal growth.

Unique Features: Our site is located in the foothills of Blue Ridge Mountains, near Appalachian Trail, on the Shenandoah River.

(1115)

Sky Meadows State Park

Rt. 1, Box 540
Delaplane, VA 22025
(703) 592-3556

Director: Jess Lowry
Operator: Virginia Division of State Parks

Open to youth groups and the general public. Day programs. Open every day. Hours: 8 am to dusk Open Memorial Day to Labor Day. Weekends - April, May, September, October. Annual budget $100-250,000. 3 Full-time staff. 1132 Acres. Camping. Fees charged for facility use.

Mission: (1) To wisely manage the natural archaeological, historical, and cultural resources of the park; (2) to provide programs and services to interpret these resources; (3) to operate day use and overnight recreational facilities for park users; and (4) to generate public support for the park.

Site and Program Features: Sky Meadows State Park's interpretive goals are both historical and natural–both to promote an understanding of 19th century farm life and culture in northern Virginia and to promote an understanding and appreciation for the natural world.

Unique Features: The park is located on the east side of the Blue Ridge, and it includes grazed pastures and wooded mountainsides. Our overlooks are beautiful.

(1116)

Staunton River State Park

Rt. 2, Box 295
Scottsburg, VA 24589
(804) 572-4623

Director: B.C. Leynes, Jr.
Contact: Craig A. Seaver, Superintendent
Operator: Dept. of Conserv. & Historic Resources

Open to youth groups and the general public. Day and multi-day programs. Open every day. Hours: 8 am - 10 pm 8 am - dusk Dec-Mar. Annual budget $250-500,000. 7 Full-time staff. 1287 Acres. Lodging. Camping. Fees charged for facility use.

Mission: To protect, conserve, and manage significant state natural, recreational, historical and cultural resources, and to provide recreational and educational services, opportunities and facilities consistent with needs of Virginians and their guests.

Site and Program Features: Located east of Scottsburg, Virginia, Staunton River State Park allows the visitor to get away from it all. A variety of water sports or a leisurely walk on one of the 7 trails gives the visitor a chance to mingle with others or grasp the solitude of nature.

VIRGINIA
LIVING
MUSEUM

NEWPORT NEWS, VA

Born To
Be Wild

(1117)

Twin Lakes State Park

Rt. 2, Box 70
Green Bay, VA 23942
(804) 392-3435
Director: Carl Huskey
Contact: Bruce Baraniak, Asst. Superintendent
Operator: Commonwealth of Virginia

Open to youth groups and the general public. Conference facilities. Multi-day programs. Open every day. Hours: Dawn to dusk. Annual budget $100-250,000. 4 Full-time staff. 475 Acres. Lodging. Fees charged for facility use.

Mission: State park dedicated to preserving and protecting our natural resources.

(1118)

Virginia Living Museum

524 J. Clyde Morris Blvd.
Newport News, VA 23601
(804) 595-1900
Director: Robert P. Sullivan

Open to youth groups and the general public. Day programs. Open every day. Hours: 9-6; except Sun 11-6; Thurs 9-9 Winter 9-5; except Sun 1-5; Thurs eve 7-9 Closed on major holidays. Annual budget more than $1,000,000. 26 Full-time staff. 22 Acres. Fees charged for facility use. Newsletter.

Mission: The purpose of the Virginia Living Museum shall be to stimulate knowledge, awareness, and appreciation of the biological and physical world, and an understanding of our relationship to our environment. This shall be accomplished by providing a variety of living interpretive exhibits and programs that encourage a commitment to the protection and conservation of our natural world and its delicately balanced components.

Site and Program Features: The museum is located on a 25-acre typical coastal plain site near the geographic center of Newport News. The site contains a freshwater lake, marsh, and upland forest community. Naturalistic outdoor animal habitats occupy 6 acres of the site. Our 25,000-square-foot building includes indoor living exhibits, 75-seat planetarium, classrooms and support facilities. The museum maintains contracts with area school systems, providing natural science programs at the museum and in the classroom.

(1119)

Virginia Museum of Natural History

1001 Douglas Ave.
Martinsville, VA 24112
(703) 632-1930 FAX: (703) 632-6487
Director: Dr. Michael W. Hager
Contact: Gail D. Gregory, Information Officer
Operator: Commonwealth of Virginia

VMNH

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: M-Sat. 10-5; Sun. 1-5. Annual budget more than $1,000,000. 20 Full-time staff. 4 Acres. Newsletter.

Mission: The Virginia Museum of Natural History is the exhibit, research and collection center in the natural sciences for the Commonwealth of Virginia. Its programs include educational outreach, traveling exhibits, lectures, field trips, classes and special events. The facility has both permanent and special exhibits, classroom, auditorium, laboratories, and store.

Site and Program Features: The museum sponsors African Heritage Month each February, a Gem and Mineral Show each April, and the Virginia Indian Heritage Festival each September. The permanent exhibits display a wide variety of natural history subjects in a manner that is educational to visitors from pre-school children to students of all ages and adults. We have 8 curators in-house who all enjoy national prestige in their respective fields.

(1120)

Vernon J. Waker Nature Education Center

Reston Association
1930 Isaac Newton Sq.
Reston, VA 22090
(703) 437-9580 FAX: (703) 435-6516

Director: Nancy Herwig

Open to youth groups and the general public. Day programs. Open every day. Hours: 9-5 Building closed Nov-Mar. Annual budget $50-100,000. 1 Full-time staff. 71 Acres.

Mission: The 71-acre Vernon J. Walker Nature Education Center is the heartbeat of Reston's 1,000 acres of open space. Its programs are designed to instill a strong environmental ethic in Reston residents and visitors and to emphasize the concept of common land ownership.

Site and Program Features: The Vernon J. Walker Nature Education Center has diversified habitats, including 2 streams which feed into a 45-acre lake; a meadow; and various woodlands. A demonstration naturescaping garden highlights the center and offers ideas on planting with native plants to attract wildlife. Programs emphasize the open space management practices to encourage good use of the common lands.

(1121)

Walney Visitor Center

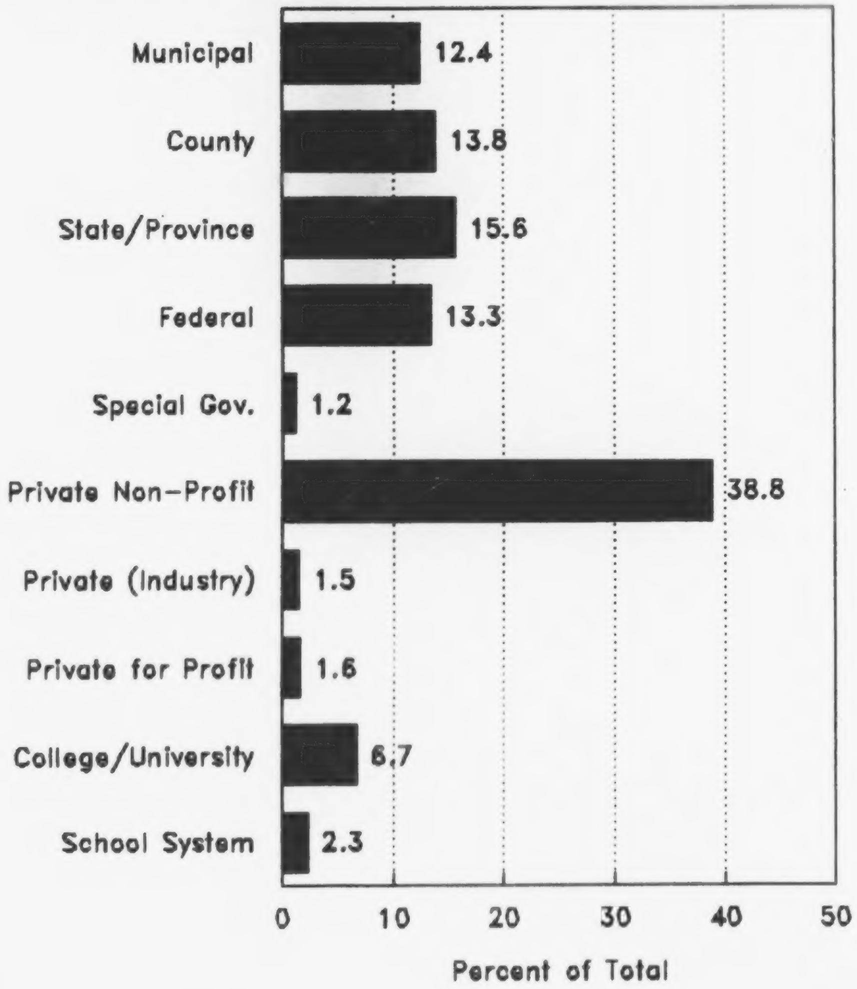
in Ellanor C. Lawrence Park
5040 Walney Road
Chantilly, VA 22021
(703) 631-0013

Director: Leon Nawojchik
Contact: Elianne Leiberman, Interp. Specialist
Operator: Fairfax County Park Authority

Open to youth groups and the general public. Day programs. Open every day except Wednesday. Hours: 9-5; except 12-5 Sat-Sun Closed weekdays Jan-Feb Closed on major holidays. Annual budget $100-250,000. 4 Full-time staff. 640 Acres. Newsletter.

Vernon J. Walker Nature Education Center

Center Owner/Operator



Stats about the natural science center movement are available in the Foreword to this Directory.

(1122)

Black Lake, Genesis Account California Outdoor Schools

P.O. Box 2466
Olympia, WA 98507
(206) 357-8425
Director: Cliff Miller
Contact: Kip Sykes, Program
Operator: Evangelical Free Church

Open to youth groups and the general public. Conference facilities. Open every day. Annual budget $500K-1,000,000. 1 Full-time staff. 50 Acres. Lodging.

(1123)

Chinook Learning Center

Box 57
Clinton, WA 98236
(206) 321-1884
Director: Fritz/Vivienne Hull

Open to the general public. Conference facilities. Multi-day programs. Open every day. Hours: 9-6. Annual budget $250-500,000. 4 Full-time staff. 64 Acres. Lodging. Camping. Newsletter.

Mission: Chinook was founded in 1972 as a contemplative learning center on Whidbey Island and a covenant community with members around the world. Chinook means "warm wind blowing." It is a translation of a Northwest Indian word referring to an unseasonably warm winter wind which foretells the coming of spring. It seems an appropriate metaphor for the work of Spirit in our time—heralding a new season and bearing the seeds of new life.

The central dynamic of Chinook is education—the training and empowerment of people who are endeavoring to bring positive change to the world. Programs at the Center and in Seattle are led by the Chinook staff, guest facilitators from across the continent, and by members of our Associate Faculty, a group of internationally known educators, theologians, artists, ecologists, and social innovators with whom we have established a close collegial relationship.

Site and Program Features: Chinook began on a 15-acre turn-of-the-century Finnish homestead and now includes 64 acres of evergreen forest and meadowland, much of which is being placed in an ecological trust. There are a restored farmhouse and cedar-log sauna, three small cabins, a newer retreat house, and a camping area with bath-house. There are two gardens of vegetables and flowers and an orchard. Our offices, resource center, Warm Wind Bookstore and Madrona Restaurant are located in the Dodge Building in the nearby town of Clinton.

Unique Features: Located on an island in Puget Sound one hour north of Seattle.

Discovery Park

(1124)

Cornet Bay Environmental Learning Center

400 W. Cornet Bay Rd.
Oak Harbor, WA 98277
(206) 675-2417
Director: Rick Lewis
Operator: Washington State Parks & Rec. Commission

Open to youth groups and the general public. Conference facilities. Multi-day programs. Open every day. Hours: 6:30-dusk Oct. 1-Mar. 30, 8:00-dusk. Annual budget $25-50,000. 1 Full-time staff. 16 Acres. Lodging. Fees charged for facility use.

Mission: Environmental Learning Centers (ELCs) were developed in the State of Washington to provide a place for educational groups (schools) to come and learn of the outdoors. While we provide the setting, individual groups bring their programs with them to educate their children in environmental issues.

Site and Program Features: The Cornet Bay ELC is located in Deception Pass State Park in Northwestern Washington State. The ELC sits on the site of a Civilian Conservation Corps Camp, active in 1934-35, constructing the park. There are several remnants of the camp on site and interpretive displays telling of those days are being planned. Bordering the site is an old growth Douglas fir forest, northern Puget Sound and a small 485' mountain, Goose Rock. Mt. Baker stands over the water–the silent guardian of northern Washington.

(1125)

Discovery Park

3801 W. Government Way
Seattle, WA 98199
(206) 386-4236
Director: Gale Gruza
Operator: City of Seattle, Parks Dept.

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: 8:30-5:00. Closed on major holidays. 5 Full-time staff. 535 Acres.

Mission: To provide a special place of beauty for the public and to maintain the park as a natural habitat.

(1126)

Federation Forest State Park

49201 Hwy. #410
Enumclaw, WA 98022
(206) 663-2207
Director: Steve McBee
Operator: Washington State Parks & Recreation

Open to youth groups and the general public. Day programs. Open every day except Monday, Tuesday. Hours: 10-5. Open by appointment Nov. 1-April 15. Annual budget $25-50,000. 1 Full-time staff. 619 Acres.

Site and Program Features: Site includes 600 + acres of lowland Douglas fir "old growth" forest. Trees from seedling to 900 + years old. Programs about the seasons, wildlife and visitor center detailing the 7 life zones found in Washington state.

(1127)

Ft. Flagler State Park

Nordland, WA 98358
(206) 385-3701
Contact: Al Giersch, Park Manager
Operator: Washington State Parks and Rec. Commission

Open to youth groups and the general public. Conference facilities. Open every day. Annual budget $50-100,000. 800 Acres. Lodging. Fees charged for facility use.

Mission: To provide facilities to help users enjoy a relaxing camping experience.

(1128)

Ginkgo Petrified Forest State Park

Vantage, WA 98950
(509) 856-2700
Operator: Washington State Parks & Rec. Comm.

Open to youth groups and the general public. Open every day. Hours: 10-6 Interp. Center closed 9/16-5/15. Annual budget $25-50,000. 1 Part-time staff. 7500 Acres.

(1129)

Hanford Science Center

Box 1970, A1-60
Richland, WA 99352
(509) 376-6374
Director: Virginia Treadway
Operator: Westinghouse Hanford Co./U.S. Dept. of Energy

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: M-F 8-5; Sat 9-5; Sun 12-5, Closed on major holidays. Annual budget $250-500,000. 5 Full-time staff. Newsletter.

Mission: The Hanford Science Center is an energy information center featuring computerized energy exhibits, films, and literature. Our goals are energy education and information about the U.S. Department of Energy's Hanford Site located near Richland, WA. Our audience includes the general public, all levels of students and teachers, as well as community organizations.

Site and Program Features: Recently remodeled, the Hanford Science Center includes state-of-the-art exhibits and interactive computer games featuring high-tech research projects taking place at the U.S. Department of Energy's Hanford Site near Richland, WA, as well as interactive exhibits emphasizing science literacy and energy topics in general.

(1130)

Lake Wenatchee TMCA Camp

P.O. Box 1974
Wenatchee, WA 98807
(509) 662-2109
Director: David B. Campbell

Open to youth groups. Conference facilities. Multi-day programs. Open every day. Annual budget $50-100,000. 2 Full-time staff. 26 Acres. Lodging. Camping. Fees charged for facility use. Newsletter.

Mission: To develop a facility that enhances the natural beauty and brings people to a closer relationship with its setting.

Site and Program Features: Located on 5-mile Lake Wenatchee, our camp draws people for all around to its shore. Water is the main highlight.

(1131)

Libby-Albeni Falls Project

Box 310
Newport, WA 99156
(208) 437-3133 FAX: (208) 437-3133
Contact: Cynthia Samples, Park Ranger
Operator: U.S. Army Corps of Engineers

Open to youth groups and the general public. Day programs. Open every day. Hours: 7:30-4 Labor-Memorial Day - Sat-Sun Closed. Annual budget $500K-1,000,000. 2 Full-time staff. Camping.

Mission: Programs are offered to increase awareness of recreational opportunities as well as education participants on the management of Albeni Falls Dam. Special interests are placed on water safety education, wildlife management techniques used on project lands, and converting water to powerful energy. Major emphasis is focused on the local community and school groups. Seasonal campground programs are offered to increase audience of these programs.

Site and Program Features: Albeni Falls Dam and Powerhouse is set in a mountainous area with access to a river and lake. The depth of the lake is over 1,000 feet. There are four campgrounds offering a scenic location for a camping trip.

(1132)

Marine Science Center

17771 Ford Dr. NE
Poulsbo, WA 98370
(206) 779-5549
Director: James A. Kolb
Contact: Diane Nelson, Secretary
Operator: Educational Service District 114

> Open to youth groups and the general public. Conference facilities. Day programs. Open every day except Saturday, Sunday. Hours: 8-4 Summer: Tues.-Sat. Annual budget $100-250,000. 1 Full-time staff. 1 Acre. Fees charged for facility use. Newsletter.

Mission: The Marine Science Center offers students of all ages a hands-on understanding of the marine environment. In addition to lessons provided at the Center, at school sites, and on the water, we offer teacher training nationwide in the marine sciences. Our primary goal is to foster marine literacy and environmental awareness.

Site and Program Features: Our unique location, on the shores of Liberty Bay in the heart of Puget Sound, provides an ideal setting for studying the science of the sea. In attempting to integrate marine science into the school curricula, we have developed Marine Science Project: FOR SEA guides for grades 1 through high school, adaptable for use anywhere, with or without nearby bodies of water.

Unique Features: We are located on Liberty Bay, part of Washington's Puget Sound area, and have views of the Olympic Mountains.

(1133)

Metro

821 2nd Ave. MS95
Seattle, WA 98115
Director: Alan Gibbs
Contact: Elaine Chapman, Education Serv. Coordin.

> Open to youth groups. Day programs. Open every day except Saturday, Sunday. Hours: 9-4 Closed on major holidays. Newsletter.

Mission: Metro has two facilities: (1) lab which tests water samples and (2) waste water treatment plants which clean the water in King County. Our goal is to monitor pollution and treat waste water. Education is a side bonus.

(1134)

North Cascades National Park

2105 Hwy. 20
Sedro Woolley, WA 98284
(206) 856-5700
Director: John Earnst
Contact: William Laitner, Chief Naturalist

> Open to youth groups and the general public. Multi-day programs. Open every day. Hours: 8-5. Annual budget $250-500,000. 4 Full-time staff. 900,000 Acres. Camping. Newsletter.

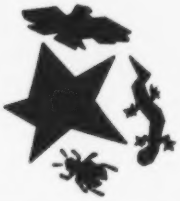
Mission: To rpovide for the enjoyment of park resoures while maintaining them unimpaired for future generations.

Site and Program Features: Experienced seasonal interpreters provide a variety of programs in one of the wildest places in the lower 48 states.

Unique Features: Spectacular mountains, dozens of active glaciers, hundreds of flowing cascades.

(1135)

Olympic Park Institute HC62



Box 9T
Pt. Angeles, WA 98362
(206) 928-3720 FAX: (206) 928-3046
Director: Michael Lee
Operator: Yosemite National Institutes

> Open to youth groups and the general public. Day and multi-day programs. Open every day. Hours: 8 am - 10 pm. Annual budget $100-250,000. 3 Full-time staff. 17 Acres. Lodging. Fees charged for facility use.

Mission: The Olympic Park Institute, a campus of the nationally recognized Yosemite National Institutes, is committed to promoting a personal awareness, understanding and an appreciation of the natural world. Through active and cooperative learning, our students focus on the natural sciences and the interrelationships between humans and their partners in the earth's environment. It is this type of education, for world citizens and leaders alike, that our quality of life will depend.

Site and Program Features: The Institute is nestled in a lush rain forest overlooking Lake Crescent in Olympic National Park, Washington. The site is comprised of a historic inn and recently constructed cabins. Campus is accessible to the marine and alpine ecosystems (and glaciers, too). Our program strengths are in the professional staff who prepare an integrated curricula which focus on learning process as well as environmental education.

Unique Features: Set in Olympic National Park on Lake Crescent.

(1136)

Pacific Science Center

200 Second Ave. N.
Seattle, WA 98109
(206) 443-2001 FAX: (206) 443-3631
Director: Geroge Moynihan
Contact: Pat Lee, Executive Assistant
Operator: Pacific Science Center Foundation

> Open to youth groups and the general public. Day programs. Open every day. Hours: M-F 10-5; Sat, Sun, Holidays 10-6 Jun-Sept 10-6 Daily. Annual budget more than $1,000,000. 92 Full-time staff. 7 Acres. Fees charged for facility use. Newsletter.

Mission: The Pacific Science Center is a private, not-for-profit education foundation dedicated to increasing the public's understanding of science, mathematics and technology through interactive exhibits and programs.

Site and Program Features: The planetarium open on a daily basis to the public; TMAX Shows (3 1/2-story super 70 mm films); laser shows, over 200 hands-on science exhibits; educational store; and cafe.

(1137)

Padilla Bay National Estuarine Research Reserve

1043 Bayview-Edison Rd.
Mt. Vernon, WA 98273
(206) 428-1558
Director: Terence Stevens
Contact: Sharon Riggs, Program Coordinator
Operator: Washington State Dept. of Ecology

Open to youth groups and the general public. Conference facilities. Day programs. Open every day except Monday, Tuesday. Hours: 10-5. Annual budget $100-250,000. 4 Full-time staff. 64 Acres. Newsletter.

Mission: We are part of a national system of estuarine research reserves set up to study and teach about the importance of estuaries and related wetland. We offer field-oriented programs radiating from an interpretive center which houses exhibits, a children's room and salt-water aquaria. Findings from on-going research are incorporated into the education program. Our goals are to foster a greater understanding of and sensitivity to these valuable environments.

Site and Program Features: Padilla Bay is an estuary with a vast meadow of eelgrass, home to a myriad of marine animals. The quiet bay attracts migrating waterfowl, shorebirds, bald eagles and an exceptional number of wintering raptors. Our varied school and family programs invite people of all ages and backgrounds to learn about this environment through field exploration, workshops, lectures, films–augmented by exhibits, a "hands-on" room and saltwater aquaria in the interpretive center.

(1138)

The Whale Museum

62 First St. N.
Friday Harbor, WA 98250
(206) 378-4710
Director: Susan Vernon
Contact: Tim Ranson, Curator
Operator: The Moclips Cetological Society

Open to youth groups and the general public. Day programs. Open every day. Hours: 10-5 Labor Day-Memorial Day 11-4, Closed on major holidays. Annual budget $100-250,000. 4 Full-time staff. 1 Acre. Fees charged for facility use. Newsletter.

Mission: The purpose of the Whale Museum is to collect information on the marine environment, with special emphasis on cetaceans (whales, dolphins and porpoises); to disseminate this information to members of the general public, scientists and scholars, legislative and regulatory bodies, and any other individuals or organizations desiring such information; and to undertake related original scientific and scholarly research.

Site and Program Features: Through its exhibits, in-house and out-reach programming, and giftshop, The Whale Museum offers visitors to the San Juan Islands a unique appreciation of the life and times of marine mammals. Our natural history displays, workshops, field schools and publications contain information and activities of interest to people of all ages.

Padilla Bay National Estuarine Research Reserve

(1139)

Wynoochee Lake Project

U.S. Army Corps of Engineers
1303 Grisdale
Montesano, WA 98563
(206) 764-3520 FAX: (206) 764-3493
Contact: William Bleggi, Project Supt.

Open to youth groups and the general public. Day programs. Open every day. Hours: 8:00-dusk Seasonal changes in schedule. Annual budget more than $1,000,000. 7 Full-time staff. 1140 Acres.

Mission: Wynoochee Dam and Lake Project is on the Wynochee River, 37 miles north of Montesano, WA, in the Olympic National Forest. From its source in the Olympic Mountains, the river meanders through rain forests, forest and fertile farm land before merging with the Chehalis River and then the Pacific Ocean. Goals are to maintain a complete multi-purpose project that provides good public recreation and fish and wildlife management.

Site and Program Features: The lake and streams provide fishing, boating, swimming and sightseeing. A hiking trail around the lake (11 miles), is maintained by the U.S.F.S., as is the campground at the project. All types of waterfowl and game, such as deer, elk, bear, beaver and grouse are seen in the area.

(1140)

A.B. Brooks Nature Center

Wheeling, WV 26003
(304) 242-6855
Director: Sue B. Stroyls
Operator: Oglebay Institute

Open to youth groups and the general public. Day programs. Open every day. Hours: 9-5; except 12-5 Sun. Annual budget $100-250,000. 5 Full-time staff. Camping. Newsletter.

(1141)

Jennings Randolph Lake

PO Box 247
Elk Garden, WV 26717
(304) 355-2346 FAX: (304) 355-8010
Contact: N. Russell Newman, Reservoir Mgr.
Operator: U.S. Army Corps of Engineers

Open to youth groups and the general public. Day programs. Open every day. Hours: 7:30 am - 8 pm 7am-4pm Nov-Apr Closed on major holidays. Annual budget $500K-1,000,000. 8 Full-time staff. 4500 Acres. Camping.

Mission: Jennings Randolph Lake is a U.S. Army Corps of Engineers reservoir that is committed to the enhancement of the understanding and appreciation of the relationship between man and his environment.

Site and Program Features: The rugged mountain terrain, the unusual geologic formations, and the wild and scenic beauty of the lake and recreational facilities all form the basis of a visitor assistance program directed to promoting the harmonious merging of the needs of man with the resources of nature, to the benefit of both.

Unique Features: The "Waffle Rock" is an unusual geologic formation of sandstone that was folded and fractured during the formation of the Appalachian Mountains. Subsequent exposure to groundwater containing an iron oxide mineral deposit that penetrated the fractures in the sandstone now results in a waffle-like appearance of the rock.

The sense of curiosity is universal. Photo courtesy of the Academy of Natural Sciences of Philadelphia.

(1142)

Oglebay's Good Children's Zoo

Oglebay
Wheeling, WV 26003
(304) 242-3000
Director: John A. Hargleroad
Operator: Wheeling Park Commission

Open to youth groups and the general public. Conference facilities. Day and multi-day programs. Open every day. Hours: M-F 10-6; Sat. 10-7; Sun. 10-8 Sept.-April hours: 11-5 daily. Annual budget $500K-1,000,000. 9 Full-time staff. 1500 Acres. Lodging. Camping. Fees charged for facility use. Newsletter.

Mission: Our mission is to provide a self-sustaining zoological park for the exhibition of North American species of animals and plants, and to provide opportunities for recreation, education and conservation.

Unique Features: Our site features natural habitat exhibits featuring North American and domestic animals.

(1143)

Seneca Rocks Visitor Center

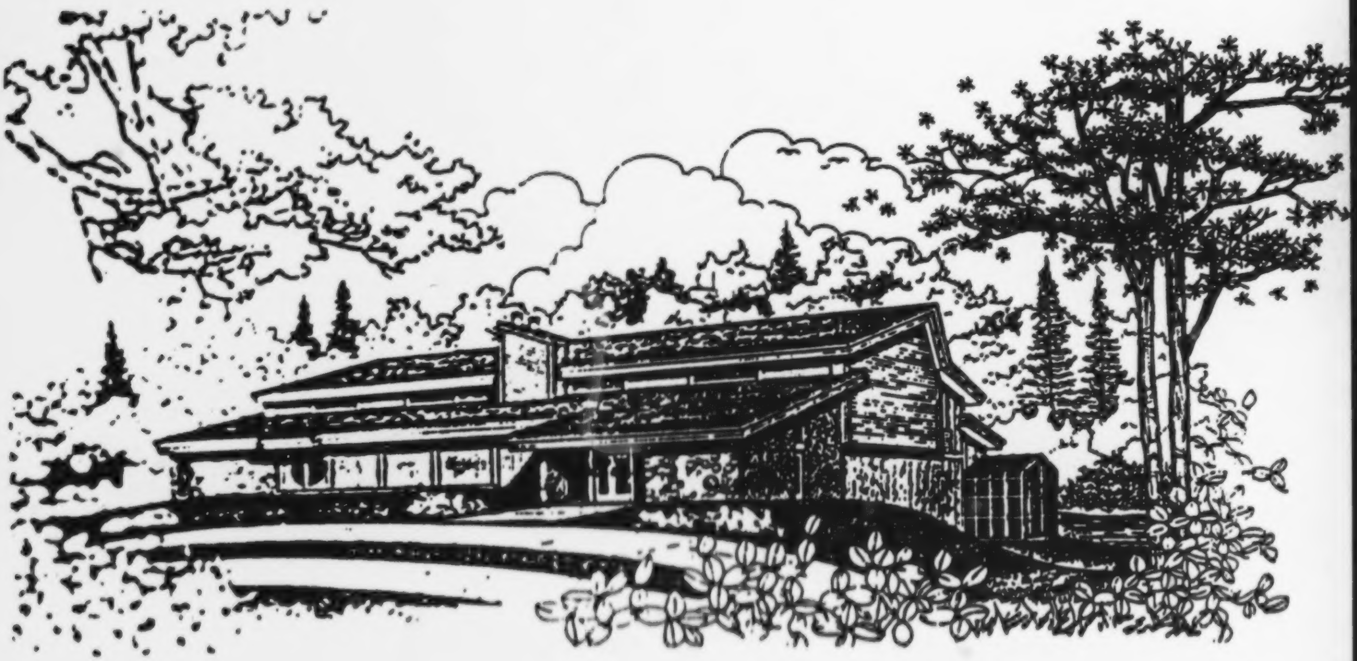
Monongahela National Forest
Rt. 28
Seneca Rocks, WV 26844
(304) 567-2827
Contact: Raymond Blum, Visitor Info. Specialistrvice

Open to youth groups and the general public. Day programs. Open every day. Hours: 9-5:30 Nov.-Feb. Open Sat.-Sun. only. Annual budget $50-100,000. 4 Full-time staff. 250 Acres.

Mission: Our mission is to orient visitors to the Spruce Knob-Seneca Rocks National Recreation Area located in the Monongahela National Forest in West Virginia. The center also disseminates information on national forest management and issues that affect the forest.

Site and Program Features: The center features exhibits and audio-visual programs on the area, geology, human history and rock climbing. The center provides a lounge area for visitors to watch rock climbers. A 1.3-mile hiking trail ends at an observation platform near the top of Seneca Rocks. Camping and picnic facilities are available.

Unique Features: Seneca Rocks, a 1,000' high blade of Quartzite is known as the best rock climbing area in the Eastern U.S. Hiking trail to top of Seneca Rocks begins at the visitor center.



Bay Beach Wildlife Sanctuary

(1144)

Apostle Islands National Lakeshore

Rt. 1, Box 4
Bayfield, WI 54814
(715) 779-3397
Director: Alford J. Banta
Contact: Diane M. Chalfant, Chief of Interpretation

Open to youth groups and the general public. Day programs. Open every day. Seasonal changes in schedule. Annual budget $500K-1,000,000. 2 Full-time staff. 48,000 Acres. Camping. Newsletter.

Mission: Established in 1970, Apostle Islands National Lakeshore preserves the natural values of shoreline areas and offshore islands while providing the public with recreational opportunities. When you see the beauty of the Lakeshore, you will understand why 21 of the 22 Apostle Islands and 12 miles of mainland shoreline have been singled out for this type of protection.

Site and Program Features: A world of attractions lure visitors to the islands. Six historic light stations are located in the Park. Abandoned brownstone quarries can be found on three islands. Sea caves have eroded in cliffs on Devils Island and Sand Island. Black bears, eagles, loons, and other wildlife species inhabit the islands. Over 50 miles of trails crisscross the islands. Camping by permit is available on 18 islands. Island interpretive programs include: lighthouse tours (Raspberry Island), commercial fish camp tours (Manitou Island), campfire programs (Stockton), and nature walks (Raspberry and Stockton Islands). Vacation opportunities at Apostle Islands National Lakeshore are as varied as the multitude of wildflowers found throughout the Park.

Bay Beach Wildlife Sanctuary

(1145)

Bay Beach Wildlife Sanctuary

Sanctuary Rd.
Green Bay, WI 54302
(414) 497-6084
Director: Ty Baumann
Contact: Kim Kaster, Head Naturalist
Operator: City of Green Bay - Park & Rec. Dept.

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: 4/15-9/15 8 am-8 pm; 9/16-4/14 8 am-5 pm. Annual budget $100-250,000. 4 Full-time staff. 700 Acres. Newsletter.

Mission: To provide (1) environmental education/interpretation opportunities that promote and emphasize a greater general public awareness, understanding, appreciation, and concern for wildlife, plants and other natural resources; (2) recreational opportunities that promote enjoyable human contact with wildlife, plants and other natural resources; (3) refuge management that maximizes wildlife, plant and other natural resource diversity and ensures quality opportunities for environmental education and recreation.

Mission Statement: To provide an urban wildlife refuge, where people can interact with wildlife, plants and other natural resources through environmental education and recreation.

Site and Program Features: Since its inception, the acreage which now comprises the Wildlife Sanctuary was set aside as a sanctuary to preserve, protect and re-establish waterfowl populations in the Green Bay area. This small local effort was part of a national movement to preserve and re-establish wetland areas for wildlife. In the late 1940s, the area was officially designated as a wildlife refuge. In the ensuing years, as the community has grown, so has the Wildlife Sanctuary in acreage and community involvement and support. This community involvement has also created increased public demand for educational and recreational opportunities. The educational opportunities consist of live wildlife displays, hands-on exhibits, interpretative programs and activities, wildlife rehabilitation, and interpretive trails. The recreational opportunities consist of waterfowl feeding, special events, fishing, hiking, cross-country skiing, snowshoeing, picknicking, and concessions. Today, the Wildlife Sanctuary is recognized as a model urban wildlife refuge by the Wisconsin Department of Natural Resources.

Unique Features: "Man-made" set of lagoons that hold 1,800 Giant Canada Geese and 2,000 plus mallards over winter. Migratory flocks add over 6,000 waterfowl to this urban flock. Public fed over 110 tons of shelled corn in 1988. We have the largest overwintering flock of black ducks in the state of Wisconsin and possibly in the midwest. We maintain open water, research and monitoring of this wild free flying flock.

(1146)

Beaver Creek Reserve

Rt. 2, Box 94
Fall Creek, WI 54742
(715) 877-2212
Director: Rick Koziel
Operator: Eau Claire County

Open to youth groups and the general public. Conference facilities. Day and multi-day programs. Open every day. Hours: M-F 8-4;30; Sat. 10-4; Sun noon-4. Annual budget $100-250,000. 1 Full-time staff. 320 Acres. Lodging. Fees charged for facility use. Newsletter.

Mission: The Beaver Creek Reserve provides opportunities to better understand, appreciate and be responsible for our natural environment.

Site and Program Features: The Beaver Creek Reserve encompasses three unique facilities: The Eau Claire County Youth Camp (a resident facility that can house 110 overnight campers); the Wise Nature Center; and the Hobbs Observatory with a 24' telescope.

(1147)

Blackhawk Lake Recreation Area

Rt. 1A
Highland, WI 53543
(608) 623-2707
Director: Randy McAuire

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: Varies upon season. Annual budget $50-100,000. 1 Full-time staff. 2200 Acres. Camping. Fees charged for facility use.

Mission: Environmental awareness, respect for our fragile environment, and an understanding of what can be done to protect and restore it.

Site and Program Features: The Blackhawk Lake Nature Center is on 2,200 acres of rolling woodlands, home for an infinite variety of wild animals, birds, and vegetation. Programs are available for all ages from pre-school to adult.

(1148)

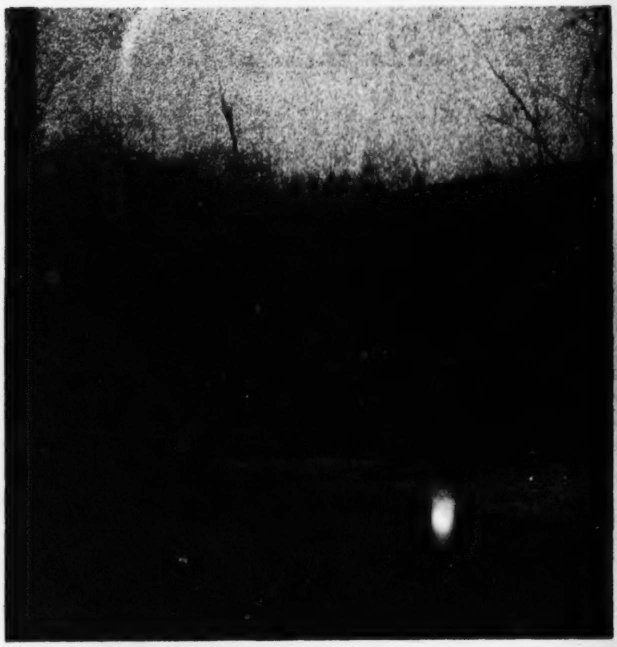
Calbe Natural History Museum

P.O. Box 416, County Hwy. M
Cable, WI 54821
(715) 798-3890
Director: Allison Slavick

Open to youth groups and the general public. Conference facilities. Day programs. Open every day except Monday, Sunday. Hours: 10-4. Closed on major holidays. Annual budget $50-100,000. 2 Full-time staff. 80 Acres. Newsletter.

Mission: The Cable Natural History Museum is a non-profit corporation with the general purpose of protecting and preserving the natural environment of northwestern Wisconsin through the education of the public, particularly area school children.

Site and Program Features: Our museum features exhibits of local flora and fauna, some "hands-on" opportunities for children, assistance in identification of specimens collected by the public, a summer lecture and field-trip series, and a hummingbird garden. We have bird observation areas at the museum and a 2-mile-long nature trail.



Many centers have resident facilities where students learn and live. See the Foreword and Appendix A for more information. Photo courtesy of McKeever Environmental Learning Center (see p.273).

(1149)

Camp 5 Museum Foundation Inc.

RFD #1
Laona, WI 54541
(715) 674-3414
Director: Mrs. Gordon Connor

CAMP FIVE
& The "LUMBERJACK SPECIAL"

Open to youth groups and the general public. Open every day except Sunday. Open mid-June to end of Aug. Annual budget $250-500,000. 680 Acres. Fees charged for facility use.

Mission: The public education of Wisconsin logging history, multiple use conservation, man and his environment.

Site and Program Features: Camp 5 Museum is nestled in northeast Wisconsin's scenic timber and lakes. Highlights of the complex include an ecology walk through an abundant natural arboretum, a natural science center, a Green Treasure Forest Tour by guided surrey, a pontoon boat ride along wild rice banks and a bird refuge, and a historic logging museum with an active blacksmith shop.

Unique Features: Our Green Treasure Forest Tour depicts prime silvicultural management and wise use of resources with identification of tree species, both mixed hardwood and softwood. This received the National Award in Education from the Arbor Day Foundation in 1975.

(1150)

YMCA Camp Minikani

860 Amy Belle Lake Rd.
Hubertus, WI 53033
(414) 251-9080

Director: Stewart Brown
Contact: Caren Hanson, Administrative Assistant
Operator: YMCA of Metropolitan Milwaukee, Inc.

Open to youth groups. Conference facilities. Day and multi-day programs. Open every day. Closed to groups 2nd wk June-2nd wk Aug. Annual budget $500K-1,000,000. 2 Full-time staff. 135 Acres. Lodging. Fees charged for facility use. Newsletter.

Mission: YMCA Camp Minikani strives to develop and maintain Christian values and ideals in all groups and individuals. We strive to develop an appreciation and love for the natural environment, teach ecological principles and processes, and challenge individuals to lessen their personal environmental impact through proper personal lifestyles.

Site and Program Features: YMCA Camp Minikani has a variety of ecological habitats located 35 miles from a major metropolitan area and is becoming one of the last natural communities in the area. The staff is committed to developing individuals whose lifestyles are in harmony with Christian values and with ecological necessities.

Unique Features: YMCA Camp Minikani is located in the kettle moraine geologic area with moraines and kettle lakes.

Floating classrooms are a popular adjunct to many nature centers. Photo courtesy of Camp 5 Museum.

(1151)

Camp U-NAH-LI-YA

Rt. #1
Suring, WI 54174
(715) 276-7116

Director: Tim Richter
Contact: Mark Voss, Env. Ed. Coordinator
Operator: Greater Green Bay YMCA

Open to youth groups and the general public. Conference facilities. Day and multi-day programs. Open every day. Hours: 7:30 am - 10 pm Seasonal changes in schedule. Summer camp. Closed on major holidays. Annual budget $250-500,000. 3 Full-time staff. 130 Acres. Lodging. Fees charged for facility use.

Mission: The Young Men's Christian Association of Greater Green Bay is a not-for-profit organization whose purpose is to enhance the lives of men, women, boys and girls of its communities regardless of race, creed, age, economic circumstances, physical or mental abilities by providing quality programs, activities, and facilities which will develop and maintain Christian values and ideals. No child is turned away because of his/her family's inability to pay. Scholarships are available.

Site and Program Features: U-Hah-Li-Ya offers a wide variety of habitats on site, including lake, pond, marsh, stream, forest range and bogs. The habitats offer many diverse learning places for environmental subjects and outdoor recreational activities such as: cross-country skiing, canoeing, and rock climbing. The staff utilizes these resources to share an informative and fun program for each group we serve.

(1152)

YMCA Camp Wowitan

5535 S. Church Rd.
West Bend, WI 53095
(414) 675-2728

Director: David McCollum
Contact: Caren Hanson, Administrative Asst.
Operator: YMCA of Metropolitan Milwaukee Inc.

Open to youth groups. Conference facilities. Day and multi-day programs. Open every day. Summer Camp 2nd wk June-3rd wk Aug. Annual budget $100-250,000. 1 Full-time staff. 160 Acres. Lodging. Camping. Fees charged for facility use. Newsletter.

Mission: YMCA Camp Wowitan strives to develop and maintain Christian values and ideals in all groups and individuals. We strive to develop an appreciation and love for the natural environment, teach ecological principles and processes, and challenge individuals to lessen their personal environmental impact thorugh proper personal lifestyles.

Site and Program Features: YMCA Camp Wowitan has a variety of ecological habitats in the kettle moraine glacial area. There is a mixture of old growth and secondary succession as the land is changing from farm to forest. The staff is committed to developing lifestyle changes in the individuals and groups that use the camp.

Unique Features: YMCA Camp Wowitan is located in the northern kettle moraine geologic area with the following glacial features: eskers and kettle bogs.

(1153)

Central Wisconsin Environmental Station

7290 County MM
Amherst Junction, WI 54407
(715) 824-2428

Director: J. Passineau
Contact: E. Weetz, Office Manager
Operator: U. of Wis.-Stevens Point

Open to youth groups and the general public. Conference facilities. Day and multi-day programs. Open every day. Hours: 7:30-4:30 Sept.-May res. programs; June-Aug camps Closed on major holidays. Annual budget $250-500,000. 3 Full-time staff. 500 Acres. Lodging. Fees charged for facility use. Newsletter.

Mission: The Central Wisconsin Environmental Station is a non-profit educational facility operated by the University of Wisconsin-Stevens Point College of Natural Resources. With an emphasis in environmental education programming, the station conducts programs on a daily and residential basis for K-12 students, college students, teachers, and the general public, as well as facilities for meetings and conferences. Resources and facilities include a solar-designed dormitory, winterized log cabins, meeting rooms, and miles of hiking trails joining forests, marshes, and lakes.

Site and Program Features: The station serves as a regional environmental education center and as a university-sponsored teacher-training facility. Academic year programs emphasize 1-3 day experiences for school groups. Summer programs include week-long camps for youth, ages 9-19, including sessions for students with learning disabilities, natural resource careers workshops for high school students, wilderness canoe trips to the YWCA, and an Elderhostel program focusing on Wisconsin's Great Naturalists. Teacher training workshops, EE conferences, special interest weekends, and programs for scouts and other groups are offered throughout the year.

Unique Features: Unique features include rolling glacial topography, moraines, eskers, kettle lakes and wetlands; and mixed hardwood and evergreen forests and farmland.

(1154)

Devil's Lake State Park

S 5975 Park Rd.
Baraboo, WI 53913
(608) 356-8302

Director: Tim Miller
Contact: Ken Lange, Park Naturalist

Open to youth groups and the general public. Open every day. Hours: 9-4:45 Seasonal changes in schedule. Annual budget $500K-1,000,000. 1 Full-time staff. 10,000 Acres. Fees charged for facility use.

(1155)

Edwards YMCA Camp & Conference Center

P.O. Box 16
East Troy, WI 53120
(414) 642-7466

Director: Kim B. Harron
Contact: Kurt Sample, Program Director
Operator: Elgin YMCA, Elgin, IL

Open to youth groups and the general public. Conference facilities. Day and multi-day programs. Open every day except Saturday, Sunday. Hours: 8-4:30. Annual budget $250-500,000. 3 Full-time staff. 128 Acres. Lodging. Newsletter.

Mission: Our programs emphasize awareness, understanding and respect for the natural world.

Site and Program Features: Edwards is situated on 128 acreas. It encompasses pines, prairies, oak/hickory forests, a wetland and a lake. Our marsh boardwalk and outdoor study shelters provide opportunities to experience these unique wild communities. Special programs are available to groups that use the facility.

(1156)

Fallen Timbers Environmental Center

10 Circle Dr.
Seymour, WI 54165
(414) 984-3700

Director: Libby Rozell-Dorn

Open to youth groups and the general public. Open every day except Saturday, Sunday. Hours: 8-5 during school year Summer: 7-4 Closed on major holidays. Annual budget $50-100,000. 2 Full-time staff. 456 Acres. Lodging. Fees charged for facility use.

Mission: The mission of the Center is to provide environmental services for the children within the six-school-district consortium and area schools, and to develop an effective environmental education curriculum to meet the needs of the individual classes and teachers. We hope to create environmentally responsible adults by providing exciting hands-on learning activities in an outdoor setting.

Site and Program Features: Utilizing our abundant wetland wildlife population, the lowland forest, expansive grassy meadows, 2-acre pond, the obstacle course and 8½ miles of trails, the staff at Fallen Timbers has developed this school-owned environmental center into a feasible working outdoor laboratory, infusing environmental education into all areas of the curriculum.

Unique Features: Fallen Timbers is a "remnant" of the glacial period in Wisconsin. The land that is now "Fallen Timbers" is an old glacial lakebed, as is the neighboring property.

(1157)

First Capitol-Belmont Mound State Parks

7896 Lake Rd.
Blanchardville, WI 53516
(608) 523-4427

Contact: Steven J. Thomas, Ranger
Operator: Wis. Dept. of Natural Resources

Open to youth groups and the general public. Day programs. Open every day. Hours: 8-4:30 Open Memorial Day to Labor Day Annual budget less than $10,000. 256 Acres. Newsletter.

(1158)

Gordon Bubolz Nature Preserve

4815 N. Lynndale
Appleton, WI 54915
(414) 731-6041

Director: Mike Brandel
Contact: Elaine Bruehl, Assistant Naturalist
Operator: Natural Areas Preservation Inc.

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: M-F 8-4:30; Sat-Sun 12:30-4:30, Closed on major holidays. Annual budget $50-100,000. 2 Full-time staff. 762 Acres. Newsletter.

Mission: Our goals are to preserve the area towards a natural state, educate individuals towards an environmental consciousness, and manage the wildlife resource towards a native state.

Site and Program Features: The preserve features approximately 250 acres of lowland coniferous forest that is accessible to all visitors. Our programs include a mixture of school and public programs that provide numerous opportunities for all.

(1159)

Hawthorn Glen Outdoor Ed. Center

1130 N. 60 St.
Milwaukee, WI 53208
(414) 475-5300

Contact: Forrest Johnson, Outdoor Ed. Specialist

Open to youth groups and the general public. Day programs. Open every day. Hours: 8-dusk Seasonal changes in schedule. Annual budget $50-100,000. 1 Full-time staff. 25 Acres.

Mission: Hawthorn Glen seeks to provide Milwaukee area preschool and elementary students an exciting, fun experience while exploring a small woodland and prairie. Programs provide physical activities such as hiking, a nature playground and cross-country skiing, as well as environmental education.

Site and Program Features: The Hawthorn Glen "Little Nature Museum" is a unique facility in Milwaukee. It houses living and nonliving inter-active exhibits. Naturalists conduct hands-on activities with local reptiles, amphibians and mammals. Programming seeks to reinforce basic skills such as reading, math and language arts as well as introduce environmental awareness and basic ecological concepts.

(1160)

Hawthorn Hollow Nature Sanctuary and Arboretum

880 Green Bay Rd.
Kenosha, WI 53142
(419) 552-8196

Contact: Phil Sander, President
Operator: Hyslop Foundation Inc.

Open to youth groups and the general public. Day programs. Open every day. Hours: 8-5. Annual budget $10-25,000. 40 Acres.

HIXON FOREST NATURE CENTER

(1161)

Hixon Forest Nature Center

2702 Quarry Rd.
LaCrosse, WI 54601
(608) 784-0303

Director: Erik Alexander
Operator: City of LaCrosse Parks & Rec. Dept.

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: School programs M-F; T-W-Th-Sun 1-4 Closed on major holidays. Annual budget $25-50,000. 1 Full-time staff. 800 Acres. Newsletter.

Mission: (1) To provide quality environmental education in the LaCrosse area; (2) to promote feelings of appreciation and protection for local natural areas; and (3) to promote non-destructive, nature-oriented use of our local natural areas.

Site and Program Features: Large natural area in an urban setting. A wide variety of habitats, ranging from dry hillside prairie through wet and dry forests, to riverside flood plain and marsh land, includes 800 acres of some of the finest urban marshland in Wisconsin. Typical Mississippi River bluffs, with outcroppings of dolomite and sandstone, are observed here.

Unique Features: Mississippi River bluffs with 700' relief; unglaciated (driftless) area; heavily eroded coulees; steep, south-facing "goat" prairies; large urban wetland where three rivers meet.

(1162)

International Crane Foundation

E-11376 Shady Lane Rd.
Baraboo, WI 53913
(608) 356-9462

Director: George Archibald
Contact: James Harris, Deputy Director-Programs

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: 9-5; weekends only May, Sept., Oct. Daily Memorial Day to Labor Day. Annual budget $500K-1,000,000. 2 Full-time staff. 120 Acres. Fees charged for facility use. Newsletter.

Mission: The International Crane Foundation is the world center for the study and preservation of cranes and their habitats. To ensure their survival for future generations, our efforts extend to captive breeding, research, habitat protection, education and restocking.

Site and Program Features: The crane is an ancient bird of interest to many cultures throughout the world. People are anxious to work with each other to protect these magnificent birds, even when their countries have political problems. Cranes are a vehicle for working together and, in a real sense, a vehicle for peace around the world. We work with nations all over the world helping them to protect their cranes.

(1163)

Jordan Park Nature Center

Portage County Parks
1516 Church St.
Stevens Point, WI 54481
(715) 346-1433

Director: Karin Sieg
Contact: Marty Wacker, Supervisor Pro. & Oper.

Open to youth groups and the general public. Open Saturday, Sunday. Hours: 12-4. Seasonal changes in schedule. Annual budget $10-25,000. 2 Full-time staff. 300 Acres. Camping.

Mission: An educational facility established for the purpose of providing individuals or groups an opportunity to gain an awareness of nature and to develop an environmental conscience. It shall also provide supplemental learning opportunities for children in grades K-2.

Site and Program Features: Variety of interesting and informative exhibits, many of which involve visitor interaction. Strong program directed at early elementary ages that focuses on specific seasonal themes (winter, spring, fall). A 100-acre natural area and Plover River provide both educational and recreational opportunities.

MACKENZIE
FRIENDS
POYNETTE
WISCONSIN
ENVIRONMENTAL CENTER

(1164)

MacKenzie Envir. Educ. Center

W7303 County Hwy CS
Poynette, WI 53955
(608) 635-4498

Director: Joel L. Stone
Operator: State of Wisconsin DNR

Open to youth groups and the general public. Conference facilities. Day and multi-day programs. Open every day. Hours: 8-4. Open mid-May to mid-October. Closed on major holidays. Annual budget $100-250,000. 3 Full-time staff. 278 Acres. Lodging. Newsletter.

Mission: To provide environmental educational opportunities for youth and adults so they may appreciate and understand Wisconsin's natural resources, their problems, protection and management; and that they may have the knowledge and skills to act as environmentally-aware, responsible and committed Wisconsin citizens.

Site and Program Features: Natural resources management is the emphasis of the program; Wisconsin wildlife exhibit; 50-year history; museums.

(1165)

Marsh Haven Nature Center

W6431 Sunset Rd.
Juneau, WI 53039
(414) 386-2182

Director: Lawrence E. Vine

Open to youth groups and the general public. Day programs. Open every day. Hours: Sunrise to sunset Annual budget $25-50,000. 46 Acres. Newsletter.

Mission: Our goal is to build a modern nature center near Horicon Marsh that combines a visitor center, wildlife museum, and wildlife art gallery into one facility. Once completed, our center will offer a variety of nature programs to inform visitors and local residents about the history and wildlife of Horicon Marsh.

Site and Program Features: Adjacent to the 31,000-acre Horicon Marsh and new recreation trail, our center offers groomed hiking trails, adventure course, picnic shelter, and 30-foot tall observation tower to outdoor enthusiasts. During the spring and fall, we offer nature and wildlife programs and bus tours on weekends.

Unique Features: Next to 31,000-acre Horicon Marsh where 300,000 people flock to see 250,000 migrating Canada geese each fall.

(1166)

Ellwood H. May Environmental Park

3615 Mueller Rd.
Sheboygan, WI 53083
(414) 459-3906
Director: David R. Kuckuk
Operator: City of Sheboygan/Parks Dept.

Open to youth groups and the general public. Conference facilities. Day programs. Open every day except Monday, Saturday, Sunday. Hours: 9-12; 1-4 Seasonal changes in schedule. Annual budget $50-100,000. 1 Full-time staff. 125 Acres. Newsletter.

Mission: Maywood is an environmental park for people of all ages to experience an interaction with their natural environment. Maywood pursues a mission to be a "public area, dedicated to the preservation, study, improvement, and understanding of all natural and man-made conditions influencing the growth and development of nature and man, and how they adapt to one another."

Site and Program Features: The Ecology Center, extensive trail network, and beautiful setting make Maywood a natural focal point for environmental programs within Sheboygan County. Maywood offers natural history, ecology and environmental recreation programs, student and youth programs, adult and family programs, special events, field trips, facilities for public meetings, and self-guided walks.

Unique Features: Maywood's 125 acres contain a mature sugar maple forest, mature conifer stand, 5-acre native prairie, aquatic study ponds, navigable river, and wetland area. A 10-station Eco-Adventure course incorporates physical interpretation of environmental concepts.

(1167)

Milwaukee Public Museum

800 W. Wells
Milwaukee, WI 53233
(414) 278-2702 FAX: (414) 223-1396
Director: Barry H. Rosen
Contact: Jennifer West, Public Relations Officer
Operator: Milwaukee County

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: M: 12-8; T-Sun. 9-5 Annual budget more than $1,000,000. 150 Full-time staff. Newsletter.

Mission: The Milwaukee Public Museum is a cultural and educational resource that provides a dynamic and stimulating environment for learning. The museum interprets the world's cultural and natural heritage through collections, research, education and exhibits.

Site and Program Features: The Milwaukee Public Museum is one of the top five natural history museums in the U.S. The museum offers "walk through" exhibits including a Costa Rican Rain Forest, a dinosaur swamp, and the streets of Old Milwaukee.

maywood

(1168)

Mining Museum & Rollo Jamison Museum

405 E. Main, Box 252
Platteville, WI 53818
(608) 348-3301
Director: Stephen J. Kleefish
Contact: Mary Huck, Education Coordinator
Operator: City of Platteville

Open to youth groups and the general public. Day programs. Open every day. Hours: May - Oct. 9-5 Seasonal changes in schedule. Annual budget $50-100,000. 3 Full-time staff.

Mission: The purpose of the Mining Museum and Rollo Jamison Museum is to promote the public awareness of the mining industry in the development of the Upper Mississippi Valley through collection, preservation, research and interpretation of artifacts of the region.

Site and Program Features: Visitors receive a guided tour of an 1845 lead mine. Life-size models demonstrate different mining techniques of lead and early zinc miners. Visitors ride a 1931 mine locomotive above ground. Also included are dioramas and displays on mining equipment and 19th-century life.

Unique Features:A unique feature includes an 1845 lead mine located 50' underground.

(1169)

Mirror Lake State Park

E10320 Fern Dell Rd.
Baraboo, WI 53913
(608) 296-2904
Director: Gerald Trumm
Operator: Wisconsin Dept. of Natural Resources

Open to the general public. Day and multi-day programs. Open every day. Hours: 8 am-11 pm Winter: Sun-Th 8-4; F-Sat. 8 am-11 pm 5 Full-time staff. 2500 Acres. Camping. Fees charged for facility use. Newsletter.

Mission: Our mission is to provide the best possible park experience for our visitors.

Site and Program Features: Our calm lake, diverse habitats, year-round activities, and proximity to other activities help all who come here to enjoy their stay.

Unique Features: Our site features one of oldest man-made lakes in Wisconsin; protected from wind by 60' sandstone bluffs.

(1170)

Mosquito Hill Nature Center

Rogers Rd.
New London, WI 54961
(414) 779-6433
Director: James S. Anderson
Operator: Outagamie County

Open to youth groups and the general public. Day programs. Open every day except Monday. Hours: 8-4:30 Annual budget $50-100,000. 2 Full-time staff. 400 Acres. Newsletter.

Mission: Student groups, ranging from pre-school to college levels, may pre-register for full or half-day experiences throughout the school year. Programs are designed to meet the needs of individual classes with emphasis placed on self-discovery, awareness, and appreciation of our environment.

Adult-oriented programs covering a variety of subjects are featured throughout the year. They are normally scheduled on week day evenings or weekends for your convenience.

(1171)

The Museum of Natural History University of Wisconsin

Stevens Point, WI 54481
(715) 346-2858
Director: Dr. William LeGrand
Operator: University of Wisconsin

Open to youth groups and the general public. Day programs. Open every day. Hours: until 10:00, Closed on major holidays. Annual budget $25-50,000. 1 Full-time staff.

Mission: To research, teach, publish on natural history, and to serve as a repository of natural history specimens.

Site and Program Features: Our research collections are very strong in fishes, mammals, herbarium, bird eggs, and Wisconsin mollusks. Our exhibits are Wisconsin nature, paleotology, anthropology, and some dioramas.

(1172)

Norskedalen

P.O. Box 225
Coon Valley, WI 54623
(608) 452-3424
Director: Robert Swartz
Operator: UW-LaCrosse Foundation

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: M-Sat 9-4:30; Sun 12-4:30. Seasonal changes in schedule. Annual budget $100-250,000. 3 Full-time staff. 390 Acres. Fees charged for facility use. Newsletter.

Mission: It is the goal of Norshedalen to preserve and interpret the unique natural history and cultural heritage of the area.

Site and Program Features: The site includes nearly 400 acres of woodlands, grasslands and farmland, as well as ponds and a spring-fed creek. A pioneer homestead restoration allows us to integrate the natural resources and human impact and dependence on them.

(1173)

Sigurd Olson Environmental Institute

Northland College
Ashland, WI 54806
(715) 682-1223
Director: Mark R. Peterson
Contact: Arnell Lavasseur, Executive Secretary

Open to youth groups and the general public. Conference facilities. Day programs. Open every day except Saturday, Sunday. Hours: 8-4:30 ,Closed on major holidays. Annual budget $100-250,000. 5 Full-time staff. 1 Acre. Fees charged for facility use. Newsletter.

Mission: The Sigurd Olson Environmental Institute is the outreach arm of Northland College. Our basic goal is to increase the awareness and understanding of the complex interactions between the social, natural and economic systems of the Lake Superior region. Our primary vehicle for achieving this goal is public education. To accomplish its mission of environmental education services, the Institute conducts workshops, training sessions, conferences and lectures throughout the greater Lake Superior region.

Site and Program Features: The Sigurd Olson Environmental Institute is a part of Northland College; facilities and services are available for use by participants of the Sigurd Olson Environmental programs. Institute staff are trained biologists and educators with considerable experience in environmental education programming. Additionally, the Institute has a library of audio-visual programs and written materials for use by groups and individuals.

One of the pioneers of Urban Education has been the Schlitz Audubon Center; see Appendix C for a review of their curriculum.

Educate today, preserve tomorrow
riveredge
NATURE CENTER, INC.

(1174)

Riveredge Nature Center

4438 W. Hawthorne Dr.
Box 26
Newburg, WI 53060
(414) 931-8095

Director: G. Andrew Larson
Contact: Mary Iwen, Administrative Secretary
Operator: Riveredge Nature Center Inc.

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: M-F 8-5; Sat-Sun trails open, Closed on major holidays. Annual budget $250-500,000. 7 Full-time staff. 350 Acres. Fees charged for facility use. Newsletter.

Mission: Riveredge Nature Center is both a natural sanctuary and a nonprofit educational institution. It is dedicated to instilling in people of all ages an understanding of their interrelationship with the earth and all its life.

Site and Program Features: Our program is oriented to field studies and first-hand learning. We have an especially strong tie to school curriculum. We also offer a strong program of adult education. All these capitalize upon the great natural diversity of the Center.

(1175)

Schlitz Audubon Center

1111 East Brown Deer Rd.
Milwaukee, WI 53217
(414) 35104200

Director: Robert E. Nichols
Operator: National Audubon Society

Open to youth groups and the general public. Conference facilities. Day and multi-day programs. Open every day except Monday. Hours: 9-5. Annual budget $500K-1,000,000. 7 Full-time staff. 225 Acres. Fees charged for facility use. Newsletter.

Mission: An urban nature center dedicated toward encouraging environmentally sound behaviors and preserving a unique sanctuary.

Site and Program Features: One of a few nature centers that is located on the Great Lakes. We specialize in educator and teacher training, urban curriculum development and distribution, school group and general visitor programs.

(1176)

St. Crois Environmental Center

530 Co. Rd. F
Hudson, WI 54016
(715) 386-2662

Director: John Duntley
Contact: Brad Konkler, Program Director
Operator: YMCA Camp St. Croix

Open to youth groups. Conference facilities. Day and multi-day programs. Open every day except Saturday, Sunday. Hours: 8 am-9 pm June 1-Sept 1 for summer camp, Closed on major holidays. Annual budget $50-100,000. 2 Full-time staff. 400 Acres. Lodging. Fees charged for facility use.

Mission: St. Croix Environmental Center's comprehensive curriculum focuses on educational concepts found throughout the 400-acre site. During each 2-hour study session, students learn by active participation, hands-on experiments and first-hand experiences. Students are encouraged to ask questions and solve problems. Learning comes naturally as students work together with their instructor during each study session.

Site and Program Features: St. Croix Environmental Center is surrounded by a wide variety of habitats. It is situated on a high bluff overlooking the St. Croix River. Three major ravines lead down to the river and are home to a diverse wildlife population including deer, hawks, owls, raccoons, and eagles. Old fields and a remnant prairie provide excellent study sites. Both hardwood and coniferous woods are found on St. Croix's 400 acres.

(1177)

1000 Islands Environmental Center

700 Dodge St.
Kaukauna, WI 54130
(414) 766-4733

Director: Lee W. Hammen
Operator: City of Kaukauna

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: 9-3, Closed on major holidays. Annual budget $50-100,000. 1 Full-time staff. 300 Acres. Newsletter.

Mission: To teach young and old the importance of the natural environment around us. To teach young people to love all living things. To provide an area where visitors can enjoy the beauty of nature and have questions about nature answered.

Site and Program Features: One mile of hiking trail along the Fox River. A large display of North American birds, mammals, fish, reptiles and amphibians. A collection of African/Asian mounted animals valued at approximately $400,000.00. School programs geared to all ages, pre-school through high school.

(1178)

Timber-Lee Christian Center

2381 Scout Rd. East
Troy, WI 53120
(414) 642-7345
Director: Brian Ogne
Contact: Michael Manke, Dir. of Outdoor Ed.
Operator: Evangelical Free Church of America

Open to youth groups and the general public. Conference facilities. Day and multi-day programs. Open every day. Seasonal changes in schedule. Annual budget more than $1,000,000. 28 Full-time staff. 570 Acres. Lodging. Camping. Fees charged for facility use. Newsletter.

Mission: Timber-lee utilizes many vehicles including the natural world to present its primary focus. Allowing the participants to experience firsthand the attributes and characteristics of the created world is emphasized. Thus, using God's creation is one way to present "Jesus Christ as Savior and Lord and to reveal His embracing love" to every person God sends to Timber-lee.

Site and Program Features: Site includes 570 acres of forest, fields, prairies, fossil pit, marsh, ponds, and lakes. Interpretive center displays feature animals, plants, energy and other natural sciences. A large variety of summer and winter programs include various workshops, x-country skiing, tubing, horsemanship, environmental education, wilderness camping, astronomy, etc. A year-round facility with many housing options, as well as campgrounds, located in the kettle country of southeastern Wisconsin.

(1179)

Tower Hill State Park

Wisc. Dept. of Natural Resources
Rt. 3
Spring Green, WI 53588
(608) 588-2116
Director: Bill Carlson

Open to youth groups and the general public. Day programs. Open every day. Hours: 6 am - 11 pm. Annual budget $10-25,000. 1 Full-time staff. 80 Acres. Camping. Fees charged for facility use.

Mission: The purpose of the parks is to provide areas for public recreation and for public education in conservation and nature study.

Site and Program Features: We have a quiet, small campground with minimal conveniences, and a similar grounds picnic area. Education is "self-guided" due to a small staff.

(1180)

Treehaven Field Station

2540 Pickerel Creek Rd.
Tomahawk, WI 54487
(715) 453-4106
Director: Charles McReynolds
Operator: University of Wisconsin - Stevens Point

Open to youth groups and the general public. Conference facilities. Day and multi-day programs. Open every day. Hours: M-F 8:30-4:30. Seasonal changes in schedule. Flexible hours. Annual budget $250-500,000. 2 Full-time staff. 1200 Acres. Lodging. Fees charged for facility use. Newsletter.

Mission: To support the teaching, research and outreach programs of the College of Natural Resources–University of Wisconsin/Stevens Point. To manage land and operate programs with the primary objective of developing an environmental ethic and philosophy of integrated resource management. Audiences include university students and staff, resource professionals, educators, students, the public and related organizations.

Site and Program Features: Northern Wisconsin hardwoods and conifers with coldwater streams, wetlands and beaver ponds among diverse glacial topography. Fauna include black bear, fisher, pileated woodpecker, and osprey. Trail network provides for education, recreation, and management resources. Program strengths include expertise of college faculty, resource managers, and program staff. Programs range from environmental education to northwoods logging legends.

(1181)

Trees for Tomorrow

611 Sheridan St.
P.O. Box 609
Eagle River, WI 54521
(715) 479-6456
Director: Henry H. Haskell

Open to youth groups and the general public. Conference facilities. Multi-day programs. Open every day. Hours: 8-5, Seasonal changes in schedule. Closed on major holidays. Annual budget $250-500,000. 12 Full-time staff. 35 Acres. Lodging. Fees charged for facility use. Newsletter.

Mission: Trees for Tomorrow is a non-profit organization with the purpose of providing natural resource education for everyone. Our programs present balanced variety of perspectives on natural resource topics so that participants can develop informed decisions about the wise management of our resources. We approach resource management through field experiences and studies in the Forest Ecosystem–focusing on the inter-relationships among human, wildlife, vegetation, water, soil and air resources.

Site and Program Features: A demonstration forest area displaying a variety of forest habitats, types and ages.

(1182)

UW-Madison Arboretum

1207 Seminole Hwy.
Madison, WI 53711
(608) 263-7888
Director: Gregory Armstrong
Contact: Donna Thomas, Public Ed. Programs Mgr.

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: M-F 9:30-4; Sat-Sun 12:30-4. Visitor Center-weekend hours vary seasonally. Closed on major holidays. Annual budget $250-500,000. 4 Full-time staff. 1280 Acres. Newsletter.

Mission: The Arboretum serves as an outdoor research and teaching laboratory for the university, works to foster the development of restoration ecology and provides a public outreach program that seeks to develop an understanding and appreciation of the natural world and a balanced, positive participatory relationship with it.

Site and Program Features: The Arboretum contains restored examples of the presettlement forest, wetland and grassland communities of Wisconsin, as well as traditional horticultural collections. It is the oldest and largest collection of ecological communities anywhere and the site of continuing research and important and innovative work in ecological restoration.

(1183)

Upham Woods 4-H Environmental Education Center

N 194 County Road N
Wisconsin Dells, WI 53965
(608) 254-6461
Director: Peter Stortz
Operator: University of Wisconsin - Extension Serv

Open to youth groups. Conference facilities. Multi-day programs. Open every day except Saturday, Sunday. Hours: Summer is primarily a 4-H youth camp. Annual budget $250-500,000. 1 Full-time staff. 300 Acres. Lodging. Fees charged for facility use. Newsletter.

Mission: To provide a residential experience in environmental education for the youth of Wisconsin.

Site and Program Features: Black Hawk Island, a major program area, is a state scientific area. Its 200 acres encompass seven major forest types and soils. The cultural history of this site on the Wisconsin River is very strong, beginning with the Winnebagos, through the loggers' rafting trips, to homesteaders. Our program is a cooperative experience facilitated by classroom teachers and resident staff, which stresses environmental awareness in hands-on activities.

Unique Features: Upham Woods is located in the "driftless" area of southwest Wisconsin. This unglaciated terrain has been acted on by the Wisconsin River to form sculpted sandstone "dalles" or rock faces.

(1184)

Wausau School Forest

415 Seymour St.
Wausau, WI 54401
(715) 842-1543
Director: Hugh Curtis
Operator: Wausau School District

Open to youth groups and the general public. Conference facilities. Multi-day programs. Open every day. Annual budget less than $10,000. 400 Acres. Lodging. Fees charged for facility use.

Site and Program Features: The Wausau School Forest, located 11 miles southwest of Wausau, was started in 1941. A total of 320 acres were donated by Arthur and Erwin Prehn, Mosinee Paper Mills, and tax delinquent land from Marathon County. Since that time, over 225,000 trees have been hand planted in the forest. A former CCC barracks was moved to serve as a classroom and crafts room. Eight cabins housing 10 to 12 students each, a museum, garages, outdoor shelter, office, council ring, obstacle course, a log museum and a caretaker's residence have all been constructed by senior high industrial arts students. A beautiful dining room with kitchen and modern lavatories complete the facilities. Most of these improvements have been completed without financial assistance from the schools district's tax dollars.

(1185)

Wehr Nature Center

9701 W. College Ave.
Franklin, WI 53129
(414) 425-8550
Director: Mariette Nowak
Operator: Milwaukee County Park System

Open to youth groups and the general public. Day programs. Open every day. Hours: 8-4:30 Annual budget $25-50,000. 1 Full-time staff. 200 Acres. Newsletter.

Mission: To foster environmental awareness, to give citizens of all ages the chance to increase their understanding and appreciation of the natural world, and to function both as a "living laboratory" and as an information and resource center to promote care of the earth and its resources.

Site and Program Features: The center includes prairie, oak savanna, woodlands and wetlands, thus offering a variety of natural communities for environmental studies.

Upham Woods 4-H Environmental Education Center

(1186)

West Shores Interpretive Center

2024 Lakeview Dr.
Suamico, WI 54173
(414) 434-2824
Contact: Michael McFarlane, County Naturalist
Operator: Brown County Park Dept.

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: M-F 9-4; Sat.-Sun. 12-4 Closed on major holidays. Annual budget $50-100,000. 2 Full-time staff. 925 Acres. Camping.

Mission: The West Shores Interpretive Center has a wide variety of programs to help fill the environmental needs and requirements for the Brown County area schools and organizations. These programs are intended to allow the participants to explore and discover the natural world around them.

Site and Program Features: The West Shores Interpretive Center is located among the vast wet lands along the west shore of Green Bay. Long noted for its abundance of wildlife and unusual plants, the west shore area has a rich history dating back to prehistoric times. This beautiful natural area provides a unique setting for nature study and observation.

(1187)

Wild Rose Fish Hatchery

Wisconsin Dept. of Natural Res.
Rt. 1, Box 20 - Hwy. 22
Wild Rose, WI 54984
(414) 622-3527
Director: Steven Fajfer

Open to youth groups and the general public. Day programs. Open every day. Hours: 8-4 Seasonal changes in schedule. Annual budget $100-250,000. 200 Acres.

Mission: Produce trout and salmon for stocking the Great Lakes. Produce walleye, northern pike and muskie for inland stocking.

Site and Program Features: Lots of ground water, and fish on the grounds all year long. Rear specialized fish, i.e., lake sturgeon.

George Williams Center Outdoor Education students sometimes go to the microfiche to gather data. Photo by Virgil Wuttke.

West Shores Interpretive Center

(1188)

George Williams College

Box 210
Williams Bay, WI 53191
(414) 245-5531
Director: Robert Rubendall
Contact: Sharon Wultke, Assoc. Dir. Outdoor Ed.
Operator: George Williams College - Lake Geneva

Open to youth groups. Conference facilities. Day and multi-day programs. Open every day. Annual budget more than $1,000,000. 13 Full-time staff. 150 Acres. Lodging. Camping. Fees charged for facility use. Newsletter.

Mission: Our goal is to provide teaching opportunities in outdoor education/E.E. for young adults in the field of education and recreation. A second goal is to be a demonstration center of OE & EE programs. A third goal is to provide quality OE/EE programs for school children.

Site and Program Features: Provids opportunity for instructors to participate in the supervision and teaching of young adults, besides instructing children. The staff becomes involved in administrative work for each group.

(1189)

Buffalo Bill Historical Center

720 Sheridan
Cody, WY 82414
(307) 587-4771 FAX: (307) 587-5714
Director: Peter H. Hassrick
Contact: Shari Pullar, Public Relations Director
Operator: Buffalo Bill Memorial Association

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: varies monthly Seasonal changes in schedule. Annual budget more than $1,000,000. 10 Full-time staff. 40 Acres. Fees charged for facility use. Newsletter.

Mission: The mission of the Buffalo Bill Historical Center is to operate as a museum whose function it is to acquire, preserve, secure, interpret and exhibit collections pertaining to the American West, according to the highest possible professional standards. In particular, collections and their interpretation will focus on the subjects of history, art, and ethnology of the American West and on the history of firearms.

Site and Program Features: The center comprises four museums with a total exhibition space of 100,000 sq. ft.–the Whitney Gallery of Western Art, the Plains Indian Museum, the Buffalo Bill Museum, and the Winchester Arms Museum. The complex also includes a research library, gardens, classroom, and small auditorium, as well as Buffalo Bill's boyhood home. Program strengths include changing exhibitions and educational services for adults and children, both formal and informal.

Unique Features: We are an indoor museum, so site characteristics have not been researched and interpreted. There is some signage naming plants in the garden. The acreage is flat and vegetated with sage, cactus and short grasses. Some is currently being paved for expanded parking.

(1190)

Dubois Museum

909 West Ramshorn
Dubois, WY 82513
(307) 455-2284 or 2932
Director: Gary J. Keimig
Operator: Fremont County, Wyoming

Open to youth groups and the general public. Day programs. Open every day. Hours: 10-5 Open May 1 - Sept. 30. Annual budget $10-25,000. 3 Part-time staff. 4 Acres.

Mission: Our natural history area is only a small part of the overall Dubois Museum; but given the area and recent history of that area, we feel it is important to the visitor and resident alike to act as an educative devise to give a meaningful awareness of natural history to our area.

Site and Program Features: We have some of the most diverse geology, animals, plants and habitats anywhere in the United States, from desert to largest glaciers in Continental U.S., all within a few miles. We are developing exhibits and educational means to stress the importance and relationships of these diverse habitats.

Unique Features: Largest glaciers and snowfields in Continental U.S. Largest intact ecosystem in temperate zone of world. Mountains to south are igneous-sedimentary, mountains to north volcanic. All glacially eroded. Valley is desert-like with having eroded Badlands. This is our outdoor laboratory.

(1191)

Expedition Yellowstone National Park Service

Box 168
Yellowstone Park, WY 82190
(307) 344-7381 FAX: (307) 344-7381
Director: Jack De Golia

Open to youth groups. Multi-day programs. Open every day. Open April-May; Sept.-Oct. Annual budget $50-100,000. 1 Full-time staff. 2,250,000 Acres. Lodging.

Mission: Expedition: Yellowstone! is a program that offers a set of curriculum materials that include learning activities and original children's stories about the park. The program is aimed at teachers of grades 4-6. The learning activities are interdisciplinary, suitable for use in the classroom and outdoors. The program's goal is to acquaint upper elementary students with Yellowstone and to help them begin to develop a caring attitude toward wild country in general and national parks in particular.

The curriculum materials include a book of original stories related to concepts about the natural and human history of Yellowstone. The materials also include a teacher's workbook.

Teachers who want to bring their students to the park must first purchase the curriculum materials and then register, using a form found in the teacher's workbook. Twice a year, registered teachers may apply for dates for their own "Expeditions." The program operates during the spring and fall, from roughly April 1 to May 25 and from Labor Day to October 31.

Unique Features: Yellowstone National Park has the largest number of hydrothermal features on earth. It is the first national park. Large herds of ungulates. Now large areas to study fire ecology.

A geology field experience helps George Williams Center's outdoor education participants understand one of our environment's complex systems. Photo by Virgil Wuttke

(1192)

Grand Teton National Park

P.O. Drawer 170
Moose, WY 83012
(307) 733-2880

Director: Jack Stark
Contact: Patrick Smith, Chief Park Naturalist
Operator: National Park Service

Open to the general public. Multi-day programs. Open every day. Hours: 8-5 Seasonal changes in schedule. Annual budget more than $1,000,000. 310,500 Acres. Lodging. Fees charged for facility use. Newsletter.

(1193)

Teton Science School

Ditch Creek Rd.
Box 68
Kelly, WY 83011
(307) 733-4765

Director: Jack Shea
Contact: Craig Kesselheim, Director of Ed.

Open to youth groups and the general public. Conference facilities. Day and multi-day programs. Open every day. Hours: 8 AM-9 PM. Seasonal changes in schedule. Annual budget $500K-1,000,000. 12 Full-time staff. 50 Acres. Fees charged for facility use.

Mission: We at the Teton Science School believe that experiential, natural science education is important to all people. The Teton Science School has the privilege of, and the responsibility for, providing these educational opportunities for personal, academic and professional benefit.

We have a commitment to provide educational programs of the highest quality. We strive to offer programs for all ages because we believe that environmental awareness and responsibility is a dynamic process requiring continual learning. We are dedicated to the concept that experiential, natural science education provides a foundation for making decisions about lifestyle and environmental quality. We trust that this knowledge will provide the citizen a basis for personal participation in natural resource policy making and the development of a global environmental awareness.

Site and Program Features: Teton Science School is an independent, non-profit center for learning located in Grand Teton National Park, Jackson Hole, Wyoming. The campus is surrounded by grand mountain views, peaceful aspen forests, open grasslands and a rich wildlife population. Teton Science School operates its residential facility through a cooperative agreement with Grand Teton National Park and under Special Use Permits in the Bridger-Teton, Targhee and Shoshone National Forests.

(1194)

Astotin Interpretive Center

Elk Island National Park
RR1, Site 4Ft
Saskatchewan, AB T8L 2N7
(403) 992-6392
Director: Dave Pick
Contact: Ross Chapman, Chief Park Interpreter
Operator: Canadian Parks Service

Open to youth groups and the general public. Day programs. Open every day. Hours: Th-Sun. 10-8; M-W 10-5 Fall/Winter–open only weekends. Annual budget $10-25,000. 3 Full-time staff. Camping.

Mission: Our mission is to encourage the understanding, appreciation and appropriate use of the natural and cultural resources conserved in Elk Island National Park.

Site and Program Features: An island of nature in a sea of farmland, Elk Island National Park has an international reputation for wildlife conservation. Our program focuses on the park's wildlife management legacy and also on geology, botany and ecology. Special programs are available for school groups.

Unique Features: Elk Island National Park is an island of nature surrounded by farmland and industry. The park rises 50-70 metres above the surrounding area. The rolling hills allow a variety of habitats, bogs, wetlands, grasslands, spruce and aspen forests.

(1195)

Beaverhill Bird Observatory

PO Box 4201
Edmonton, AB T6E 4T2
Contact: Stefan Jungkind, Chairman

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: variable Open April-October only. Annual budget less than $10,000. 1 Acre. Lodging. Camping. Newsletter.

Mission: Our mission is to encourage cooperation between rigorous scientific researchers and recreational wildlife observers with a special emphasis on bird study and bird banding, and provide a common meeting ground for same.

Site and Program Features: Located on the south east corner of Beaverhill Lake, an internationally recognized staging area for waterfowl shorebirds and songbirds. The program offers hands-on or very close observation of bird banding and other research activities at the station. Handling or close-up inspection of captured wild birds is a unique and powerful tool for developing appreciation for wildlife.

(1196)

Fish Creek Provincial Park

Box 2780
Calgary, AB T2P 0Y8
(403) 297-5293 FAX: (403) 271-1922
Director: Doug Kielau
Contact: Mark Hamill, Visitor Services Super.
Operator: Alberta Rec. & Parks

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: 8:15-12; 1-4:30 Seasonal changes in schedule. Annual budget $500K-1,000,000. 8 Full-time staff. 2800 Acres.

Mission: We feature special natural places developed, maintained and preserved for public use and enjoyment.

Site and Program Features: Fish Creek Provincial Park contains two centers: Bow Valley Ranche Visitor Center–covering 8,000 years of human history and with direct historical relation to all phases of early western development; Shannon Terrace Environmental Education Center–handles 14,000 school kids a year in curriculum-based EE school programs.

(1197)

John Janzen Nature Centre

Box 2359
Edmonton, AB T5J 2R7
(403) 428-7900 FAX: (403) 428-4615
Director: Gerry Lunn
Operator: City of Edmonton, Dept. Parks & Rec.

Open to youth groups and the general public. Day programs. Open every day. Hours: M-F 9-4; Sat.-Sun. 1-4 Mid-May - early Sept.: 10-6 daily. Annual budget $250-500,000. 5 Full-time staff. 10 Acres.

Mission: We try to promote an awareness, appreciation and understanding of the outdoor natural environments within the city.

Site and Program Features: The John Janzen Nature Centre was the first major municipally operated nature centre in Canada. Nestled in the heart of the river valley park system, the centre serves as a focus for programs, events, exhibits and information about nature in Edmonton.

Unique Features: Located in the heart of Edmonton's North Saskatchewan River Valley, on floodplain terrace; surrounded by aspen poplar and white birch woodland.

(1198)

Muskoseepi Park

9902-101 St.
Grande Prairie, AB T8V 2P5
(403) 538-0451 FAX: (403) 539-1056
Director: George Keen
Contact: Glenn Rogers, Area Supervisor
Operator: City of Grande Prairie

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: 10 am-10 pm; Winter: 9-9 Seasonal changes in schedule. Annual budget $500K-1,000,000. 4 Full-time staff. 1100 Acres. Camping. Newsletter.

Mission: Mission: To make Muskoseepi Park the most rewarding leisure facility in northern Alberta.

Goals: To create an awareness of its leisure opportunities; to promote the cultural and natural history of the park; and to provide educational, interpretive and special events year 'round.

Site and Program Features: Bear Creek winds through the entire length of the park. The site includes trout fishing pond next to pavilion; 1,100 acres of natural sites, including a 400-acre detached bird sanctuary; 15 km asphalt, 5 km gravel and 20 km wilderness trails; large picnic centre at South Bear Creek with 9-hole golf course and 3 ball diamonds; Rotary Campground at North Bear Creek. Programs include a variety of special events occurring year round. We offer high quality environmental education programs.

Unique Features: Our site features a reservoir with spillway; trout fishing and winter skating pond by the pavilion, in the valley down through the city along Bear Creek, and a separate bird sanctuary at Crystal Lake.

(1199)

Helen Schuler Coulee Centre

910 4th Ave. S.
Lethbridge, AB T1J 0P6
(403) 320-3064 FAX: (403) 327-6571
Director: Gail Heinze-Milne
Operator: City of Lethbridge

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: Summers: 10-8 Seasonal changes in schedule. Closed on major holidays. Annual budget $100-250,000. 2 Full-time staff. 250 Acres. Newsletter.

Mission: The Helen Schuler Coulee Centre is an urban nature centre which promotes nature appreciation within southern Alberta. Volunteer naturalists with a love of nature and people share their enthusiasm through a wide variety of public and group programs all year long.

Site and Program Features: Exhibits change three times a year and explore new themes with each change. All exhibits promote hands-on exploration. Self-guided trails introduce the coulees and river valley. An audio guide is available for visually impaired, and the self-guided trail "Nature Quest" is wheelchair accessible also.

Unique Features: We are set amongst the "Coulees"–ravines which lead from the prairie benchland above, to the river floodplain below. We have examples of prairie, coulee, river, floodplain, and wetland habitat.

(1200)

Kerry Wood Nature Centre

#1 6300-45 Ave.
Red Deer, AB T4N 3M4
(403) 356-2010- FAX: (403) 346-6195
Contact: Jim Robertson, Park Naturalist
Operator: City of Red Deer

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: M-F 9-5; Sat.-Sun. 10-5 Late May-early Sept: 10-9. Annual budget $100-250,000. 3 Full-time staff. 292 Acres. Newsletter.

Mission: The K.W.N.C. is founded on the belief that an understanding and appreciation of nature is beneficial to our society. It will provide interpretive programs and activities which reveal to visitors meanings and relationships in the natural world through exposure to first-hand experiences, original objects, and illustrative media.

Site and Program Features: The K.W.N.C. is the gateway to the Gantz Lakes Sanctuary–Alberta's first federal bird sanctuary. It is the only year-found natural history interpretation and information facility in central Alberta. It has a bookstore/refreshment counter, travelling exhibit/art gallery, discovery room, permanent exhibit hall, theatre, and meeting rooms. We offer trails and extensive programming.

Unique Features: Our site is on a river floodplain, two remnant oxbow lakes, new to Red Deer River.

Kerry Wood Nature Center

(1201)

Blue Lake Forestry Centre

Box 845
Cranbrook, BC V1C 4J6
(604) 489-1113 FAX: (604) 426-5505
Director: Todd Hebert
Operator: B.C. Forestry Association, Kootenay Reg.

Open to youth groups and the general public. Multi-day programs. Open every day. 2 Full-time staff. 75 Acres. Lodging. Newsletter.

Mission: We offer an opportunity for groups to experience in a hands-on manner the concept of integrated resource management.

Site and Program Features: Set in a moutainous, multiple-use valley, Blue Lake offers many programs and activities for children and adults. Programs in integrated resource management and forest ecology are specialities. Open for winter use as well. Activities include swimming, canoeing, hiking, cross-country skiing, and fishing.

(1202)

British Columbia Forestry Assn.

2417 Hwy. 97N
Kelowna, BC V1X 4J2
(604) 860-6410 FAX: (604) 860-8856
Director: Chic Gray

Open to youth groups and the general public. Conference facilities. Multi-day programs. Open every day except Monday. Seasonal changes in schedule. Annual budget $100-250,000. 3 Full-time staff. 1000 Acres. Lodging. Fees charged for facility use.

Mission: Our mission is to promote resource awareness and the wise use of the forest resources to children and adults, and to provide a "hands-on" learning centre.

Site and Program Features: The Silver Lake Forestry Centre, located on a small lake in the mountains, offers visitors log building facilities to live in which visiting the forestry and logging museum, hiking the many nature trials, conducting research in the 1,000-acre woodlot, canoeing or fishing or doing pond studies.

(1203)

Camp Thunderbird Outdoor Centre - YM-YWCA

880 Courtney St.
Victoria, BC V8W 1C4
(604) 386-7511
Director: Jim Leggat
Operator: Victoria YM-YWCA

Open to youth groups and the general public. Multi-day programs. Open every day. Closed June 10 - Sept. 2. Seasonal changes in schedule. Annual budget $250-500,000. 2 Full-time staff. 1200 Acres. Lodging. Camping. Fees charged for facility use.

Mission: The center is available to all to promote self-awareness and growth, democratic group living skills and environmental awareness.

Site and Program Features: 1200 acres of forested property surrounding Glintz Lake, offers a secluded opportunity for people of all ages to experience living and playing together in the out of doors.

(1204)

Creston Valley Wildlife Centre

Box 640
Creston, BC V0B 1G0
(604) 428-3260 FAX: (604) 428-3212
Director: Brian G. Stushnoff
Contact: Robert O. Purdy, Centre Coordinator
Operator: Creston Valley Wildlife Management Auth

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: 9-5 Seasonal changes in schedule. Annual budget $250-500,000. 2 Full-time staff. 17,000 Acres. Camping. Newsletter.

Mission: Our mission is to provide visitors with sufficient information and opportunity to optimize their enjoyment, understanding and appreciation of the management area environments. To make visitors aware of the significance of maintaining this and other key habitats for wildlife and interpreting the connections between such habitats in a global context. Achieving these goals will result in informed users who will minimize their impact on the environment.

Site and Program Features: The management area is a 17,000-acre wildlife project from mountainside to marshes with lakes and rivers. It is dedicated to wetland management and public recreation. The nature centre offers guided canoe trips, walks, a display hall and theatre. With over 250 species on our bird checklist, it is a birdwatchers' paradise.

(1205)

Evans Lake Forestry Assn.

1430-1100 Melaile St.
Vancouver, BC V6E 4A6
(604) 688-6684 FAX (604)683-0306
Contact: Dave Campbell, Regional Manager
Operator: B.C. Forestry Association

Open to youth groups. Multi-day programs. Open every day. Seasonal changes in schedule. Annual budget $250-500,000. 2 Full-time staff. 604 Acres. Lodging.

Mission: We offer a facility available year-round for schools, summer camp and adult groups. Residential accommodation. The site is a place for programs about forestry and the forest resources to build better understanding and awareness on the value and use of these resources.

Site and Program Features: Accommodation and meals are available for groups of up to 100. A 234-hectare demonstration forest has 7 km of trails. The facility is located on a small mountain lake which offers swimming, canoeing and boating.

(1206)

Lynn Canyon Ecology Centre

3663 Park Rd. North
Vancouver, BC V7J
3G3 (604) 987-5922
Contact: Kevin M. Bell, Chief Naturalist
Operator: District of North Vancouver

Open to youth groups and the general public. Day programs. Open every day. Hours: 10-5. Annual budget $100-250,000. 3 Full-time staff. 300 Acres.

Mission: Our mission is to explain the word "ecology"–what it means, how humans fit in and the impact of a world human population of five billion people on the planet's ecolgoical systems.

Site and Program Features: We try to pull the hard facts out of the information available and present these to the public.

Unique Features: Our site features 300 acres of 90-year-old second-growth Douglas fir-cedar-hemlock forest, a mountain creek in deep canyons and a free suspension bridge.

(1207)

Mount Robson Provincial Park

PO Box 579
Valemount, BC V0E 2Z0
(604) 566-4325
Contact: V. K. Bopp, District Manager
Operator: Province of British Columbia

Open to youth groups and the general public. Open every day. Hours: 8 am-8 pm Closed 10/15-5/15. Annual budget $250-500,000. 1 Full-time staff. 88,000 Acres. Camping.

North Vancouver Outdoor School

(1208)

North Vancouver Outdoor School

Box 250
Brackendale, BC V0N 1H0
(604) 898-5422 FAX: (604) 987-7154
Director: Victor J. Elderton
Contact: Mindy L'Hirondelle, Conf. Secretary
Operator: North Vancouver School District

Open to youth groups and the general public. Conference facilities. Day and multi-day programs. Open every day. Seasonal changes in schedule. Annual budget $250-500,000. 4 Full-time staff. 420 Acres. Camping. Fees charged for facility use.

Mission: The mission of our centre is to provide a participatory education climate in which children and adults can become directly involved with the natural and cultural history that surrounds them. By becoming connected to things, we feel that people appreciate and conserve them.

Site and Program Features: Our program's strengths lie in developing strong emotional ties with living systems in both natural and cultural history. In our programs, participants apply theoretical information to real-life situations, they learn the relevance of farming, forest, salmon biology, aboriginal and wildlife concerns.

(1209)

Rogers Pass Centre

Mount Revelstoke & Glacier National Parks
Box 350
Revelstoke, BC V0E 2S0
(604) 837-6274
Director: Roger M. Beardmore
Contact: John Woods, Chief Park Interp.
Operator: Canadian Parks Service

Open to the general public. Day programs. Open every day. Hours: 8 am-8 pm; Winter: M-F 8-4 Seasonal changes in schedule. Annual budget more than $1,000,000. 3 Full-time staff. Lodging. Camping.

Mission: The mission of Rogers Pass Center is to interpret the national and human history of Mt. Revelstoke and Glacier National Parks, and the Columbia Mountains natural region, for park visitors.

Site and Program Features: Features of our facility include high quality exhibits on the history of the Canadian Pacific Railway in the Columbia Mountains, natural history exhibits, information, seasonal bookstore, and a theatre with special interpretive movies ("Snow War"). Facilities are handicap accessible.

(1210)

Silver Lake Forestry Centre

2417 Hwy. 97 N.
Kelowna, BC V1X 4J2
(604) 860-6410 FAX: (604) 860-8856
Contact: Chick Gray, Regional Manager
Operator: B.C. Forestry Association

Open to youth groups. Multi-day programs. Open every day. Annual budget $100-250,000. 2 Full-time staff. 1000 Acres. Lodging. Fees charged for facility use.

Mission: Our mission is to promote increased public understanding of the potential for sound integrated resource management.

Site and Program Features: Our site features an education forest, 1,000 acres and nature trails, and a forestry museum. Facilities are log construction, with power to some of them. We provide excellent food service and costs are very minimal for school groups.

(1211)

Swan Lake Christmas Hill Nature Sanctuary Society

3873 Swan Lake Rd.
Victoria, BC V8X 3W1
(604) 479-0211
Contact: Terry Morrison, Manager

Open to youth groups and the general public. Day programs. Open every day. Hours: M-F 8:30-4; Sat.-Sun. 9:30-4 Annual budget $100-250,000. 2 Full-time staff. 125 Acres. Newsletter.

Mission: The purpose of the nature sanctuary is to foster appreciation of nature and to provide experiences that will develop personal responsibility for the care and protection of the environment.

Site and Program Features: The sanctuary consists of 100 acres of land surrounding a 23-acre lake, and 25 acres of oak-forested, glacially molded hilltop. A 2.6 km loop trail provides access around the lake, including a floating walkway, 2 wharves, and 2 winter birdblinds. The hilltop trail is currently under construction.

Unique Features: 23-acre lake surrounded by wetland, fields and hedgerows, plus glacially molded oak-forested hilltop.

(1212)

Fort Whyte Centre for Environmental Education

PO Box 124
1961 McCreary Rd.
Winnipeg, MB R3Y 1G5
(204) 895-7001

Director: William P. Elliott
Contact: Wendy Loly, Dir. of Ed.
Operator: Wildlife Foundation of Manitoba

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: M-F 9-5; Sat.-Sun. 10-5. Annual budget $250-500,000. 9 Full-time staff. 200 Acres. Fees charged for facility use. Newsletter.

Mission: The goal of the Fort Whyte Centre is to provide funding and facilities for education in the art and science of keeping this earth habitable for all forms of life.

Site and Program Features: The centre offers trails through a wide array of habitats in close proximity to the city centre. Exhibits display indigenous species of fish (Aquarium of the Prairies), birds (Waterfowl Gardens) and mammals. A strong corps of volunteers enables the centre to carry its programming to a wide range of age levels throughout the four seasons of the year.

(1213)

Living Prairie Museum

2795 Ness Ave.
Winnipeg, MB R3J 3S4
(204) 832-0167

Contact: Cheryl Nielsen, Naturalist
Operator: City of Winnipeg

Open to youth groups and the general public. Day programs. Open every day. Hours: April-Oct. Seasonal changes in schedule. Annual budget $50-100,000. 2 Full-time staff. 40 Acres. Newsletter.

Mission: The Living Prairie Museum is a 32-acre preserve of the Tall Grass Prairie that once covered much of southern Manitoba. It is located inside the City of Winnipeg. Interpretive programs are aimed at promoting awareness of this endangered plant community.

Site and Program Features: The Living Prairie Museum has a large environmental education program in the spring and fall and offers an extension program in the winter. It is open to the general public with the blooming of the prairie crocus through October every weekend and daily during July and August. The reception centre features interactive displays for all ages. A night room, root jungle and people-sized ground squirrel burrow are all part of the fun. The prairie preserve has a self-guiding trail and of special interest–a prairie restoration site.

(1214)

Manitoba Museum of Man and Nature

190 Rupert Ave.
Winnipeg, MB R3B 0N2
(204) 956-2830 FAX: (204) 942-3679

Director: J. DiCosimo
Contact: J. Moroz, Communications Officer

Open to youth groups and the general public. Conference facilities. Open every day except Monday. Hours: 10-5; Winter: daily 10-9 Seasonal changes in schedule. Annual budget more than $1,000,000. Newsletter.

Site and Program Features: Manitoba's human and natural history are imaginatively interpreted in orientation, earth history, grasslands, Arctic-subarctic, boreal forest, nonsuch (re-creation of 17th-century ketch), and urban galleries through dioramas, reconstructions, artifacts and specimens, graphics, and audio-visual presentations.

(1215)

Whiteshell Provincial Park

Seven Sisters District
Box 96
Seven Sisters, MB R0E 1Y0
(204) 348-2203 FAX: (204) 348-7141

Open to youth groups and the general public. Multi-day programs. Open every day. Hours: 8-5 Closed weekends Oct-May. Annual budget $250-500,000. 4 Full-time staff. 161,280 Acres. Lodging. Camping.

The polar bear diorama is often the first stop at the Manitoba Museum of Man and Nature.

Forestry education is often an activity at natural science centers. Photo courtesy of the MacKenzie Environmental Center (see p.332).

(1216)

Aquarium and Marine Centre

Box 1010
2nd Ave.
Shippagan, NB E0B 2P0
(506) 336-4771 FAX: (506) 336-9646
Director: Clarence LeBreton
Operator: New Brunswick Dept. Fisheries and Aqua.

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: 10-6 Annual budget $500K-1,000,000. 13 Full-time staff. 5 Acres. Fees charged for facility use.

(1217)

City of Fredericton

P. O. Box 130
Fredericton, NB E3B 4Y7
(506) 458-8530 FAX: (506) 452-9509
Director: Robert A. Mabie

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: M-F 9-5; Sat.-Sun. 12-5. Seasonal changes in schedule. Annual budget $25-50,000. 1 Full-time staff. 400 Acres.

(1219)

Sunbury Shores Arts and Nature Centre

139 Water St.
St. Andrews, NB E0G 2X0
(506) 529-3386

Open to youth groups and the general public. Day and multi-day programs. Open every day except Sunday. Hours: 9-4:30 Seasonal changes in schedule. Closed on major holidays. Annual budget $50-100,000. 2 Full-time staff.

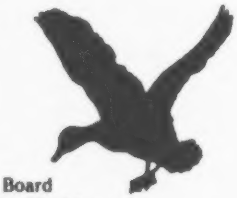
Mission: Sunbury Shores Arts and Nature is a nonprofit corporation designed to promote, establish and maintain opportunities and facilities for the study, practice and appreciation of the fine arts and handicrafts and for natural history study and conservation education.

Site and Program Features: The natural beauty of our rural maritime site is not only inspiration for artists and photographers but the location provides a rich source of sea life: birds, fishes, invertebrates and mammals. Our nature trail demonstrates ecological transition from meadow to forest. The Huntsman Marine Science Centre, the Atlantic Salmon Centre and the Federal Government Dept. of Fisheries and Oceans Research Station are established institutions where expertise is available.

Unique Features: Our site features the highest tides in the world. Marine life is extremely plentiful.

(1218)

Sackville Waterfowl Park



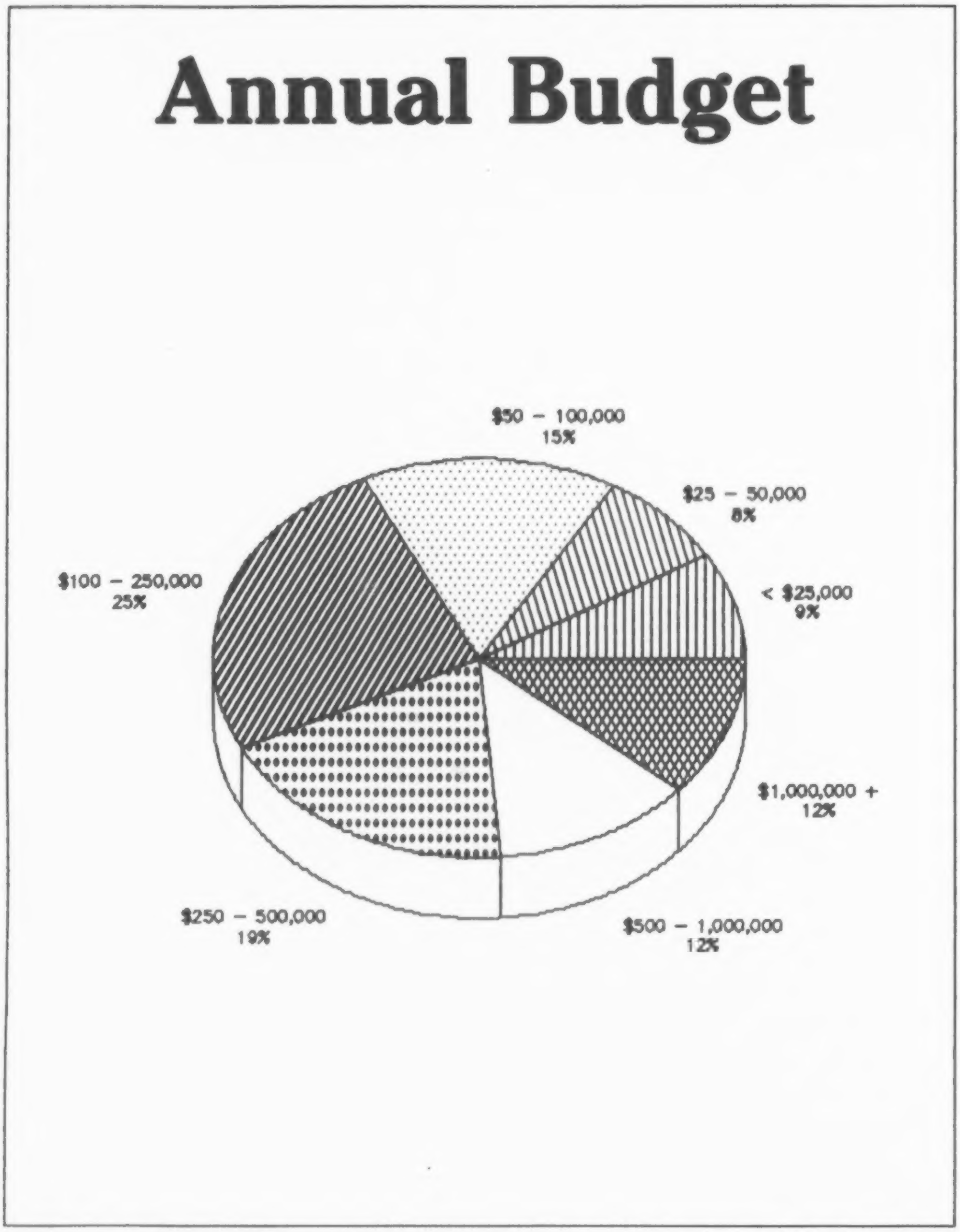
PO Box 1590
Sackville, NB E0A 3C0
(506) 536-3025
Director: Al Mitchell
Contact: Sandy Burnett, Chairman, Adv. Board
Operator: Town of Sackville, Wings on the Wind Inc

Open to the general public. Day programs. Open every day. Hours: 1/2 hr. before sunrise-1/2 hr after snst Annual budget less than $10,000. 55 Acres.

Mission: The Sackville Waterfowl Park provides a haven for wildlife within the town and a place where young and old can enjoy and learn about the marshlands. The waterfowl theme symbolizes the town's identity as an important center for economic, social and cultural development in southeast New Brunswick. The town attracts numerous holiday visitors in search of a clean, unspoiled natural environment.

Site and Program Features: The 50-acre park features a productive, natural wetland with stabilized water levels. There are one and 1/2 km of walkways and boardwalks, with rest areas and interpretation signs to lead the visitor through the marsh. An annual "Atlantic Waterfowl Festival" is planned for August 23-25, 1990. Linking economic development to wildlife conservation will help sustain a high quality of life for future generations.

Unique Features: Our site features productive Natural Wetland with stabilized waterlevels, one and a half kilometres of walkways and boardwalks, few minutes walk from downtown Sackville, NB, situated on border of famed Tantramar Marshlands, home of many large wildlife reserves and bird sanctuary.



Budgets, staff, audience; see the Foreword for the stats resulting from a year's research with natural science centers.

(1220)

Apps Mill/Grand River Conservation Authority

RR#4
Bruntford, ON N3T 5L7
(519) 752-0655 FAX: (519) 621-4844

Director: George Stormont
Contact: Rick Dowson, Manager
Operator: Grand River Conservation Authority

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: 9-4:30 Closed on major holidays. Annual budget $50-100,000. 2 Full-time staff. 280 Acres.

Mission: To inform people of the GRCA mandate and what the limits are to flood management in the valley.

Site and Program Features: Dedicated staff, unique valley in a historical setting with endemic wildlife population.

Unique Features: Transition Carolinian, opened by Europeans in early 1820's; existing non-operating mill site from 1880's; modern interpretive centre and upgraded hiking trails.

(1221)

Bethune Memorial House

235 John St.
PO Box 2160
Gravenhurst, ON P0C 1G0
(705) 687-4261

Operator: Environment Canada, Canadian Parks Serv.

Open to youth groups and the general public. Day programs. Open every day. Hours: 6/1-Labor Day: 9-6; 10-5 rest of year Seasonal changes in schedule. Closed on major holidays. 1 Full-time staff. 1 Acre.

Mission: Bethune Memorial House is the birthplace of Dr. Norman Bethune, a medical doctor and innovator, inventor and humanitarian. Tours of the restored 1890 Presbyterian manse focus on the birth of Bethune in this house and the lifestyle of his family. A modern exhibit in the upstairs focuses on the life and achievements of this special Canadian.

Site and Program Features: Features include a guided tour of the restored birthplace, a modern exhibit on Dr. Bethune's life, a visitor center presenting an orientation film and other videos of interest and an exhibit of Chinese gifts donated to the memorial by visitors form the People's Republic of China. Special events occur throughout the summer season and school programs are booked through the school year. A Victorian Christmas Open House takes place from mid-December to December 31st. Special commemorative activities in 1989 and 1990 will mark the 50th anniversary of Dr. Bethune's death and the 100th anniversary of his birth.

(1222)

Boyne River Natural Science School

RR 4
Shelburne, ON L0N 1S0
(416) 857-4160

Director: Jerry Hodge
Contact: John Fallis, Vice Principal
Operator: Toronto Board of Education

Open to youth groups. Conference facilities. Multi-day programs. Open every day except Saturday, Sunday. Seasonal changes in schedule. Closed on major holidays. Annual budget more than $1,000,000. 12 Full-time staff. 350 Acres. Lodging. Camping.

Mission: The mission statements for the Boyne River N.S.S. include the following: assist in providing future citizens with the ability to understand and positively affect environmental policy, respond to current environmental issues creatively, build student self-confidence and provide students opportunities to do their personal best.

Site and Program Features: The Boyne River Natural Science School is a residential facility for 140 students, owned and operated by the Toronto Board of Education. It has a broad range of experiential activities in and around a 350-acre site near Toronto. Programs in environmental education, local history, nature study, geography and science are supplemented with special programs in music, physical education, art, ESL, and leadership and multiculturalism.

(1223)

Cedar Glen Outdoor Ed. Centre

Box 345
Bolton, ON L7E 5T3
(416) 859-0220

Contact: John MacLachern, Program Leader
Operator: North York Board of Ed.

Open to youth groups. Multi-day programs. Open every day except Saturday, Sunday. Closed on major holidays. Annual budget $100-250,000. 7 Full-time staff. 266 Acres. Lodging. Camping. Fees charged for facility use.

Mission: Our mission is to use an outdoor natural setting to enhance the classroom program of individual schools. To provide competent, trained staff to help and encourage teachers in the use of the outdoors. To provide safe, rewarding educational activities for students.

Site and Program Features: We offer a varied outdoor setting with special programs in forestry, adventure playgrounds, animal habitat and recreation.

Unique Features: Our site is located at end of Morainio deposits.

(1224)

Elgin County Outdoor Education Centre

RR #5
Aylmer, ON N5H 2R4
(519) 773-5196
Director: Kevin Ferguson
Operator: Elgin County Board of Education

Open to youth groups. Day programs. Open every day except Saturday, Sunday. Hours: 8-4 Closed on major holidays. Annual budget less than $10,000. 1 Full-time staff. 500 Acres. Newsletter.

(1225)

Forest Valley Outdoor Education Centre

60 Blue Forest Dr.
Downsview, ON W3H 4W5
(416) 630-6263
Director: Ralph Ingleton
Operator: North York Board of Education

Open to youth groups. Conference facilities. Day programs. Open every day except Saturday, Sunday. Hours: 8-4:30 Seasonal changes in schedule. Annual budget $250-500,000. 7 Full-time staff. 100 Acres. Newsletter.

Mission: Our mission is to provide opportunities for teachers and students to have direct learning experiences which enhance all aspects of the curriculum; to assist teachers in developing outdoor methods and skills; to change programs in relation to the needs of teachers and students.

Site and Program Features: We feature easy access location within a short bus rise (less than 1/2 hour) from any school in the city; easy access to three district natural environments: forest, swamp, meadow; flexible in terms of adapting the program to suit the needs of curriculum, the needs of teachers and students. Forest Valley is located in a river valley in the center of the City of North York. The site features forest, meadow, swamp and river. School classes to people from ages 4-50+ years enjoy outdoor education experiences tailored to meet specific objectives with the curriculum.

(1226)

Leslie M. Frost Natural Resources Centre

Dorset, ON P0A 1E0
(705) 766-2451 FAX: (705) 766-9677
Director: Jim Barker
Contact: Barrie Martin, Visitor Services Spec.
Operator: Ministry of Natural Resources

Open to youth groups and the general public. Multi-day programs. Open every day. Hours: 8-5 Seasonal changes in schedule. Annual budget more than $1,000,000. 27 Full-time staff. 58,000 Acres. Lodging.

Mission: The purpose of our program is to foster a public understanding of natural resources, their management and use.

(1227)

Ganaraska Forest Centre

RR 1
Campbellcroft, ON L0A 1B0
(416) 797-2721
Operator: Ganaraska Region Conservation Auth.

Open to youth groups. Multi-day programs. Open every day. Seasonal changes in schedule. Annual budget $100-250,000. 2 Full-time staff. 10,500 Acres. Lodging. Camping. Newsletter.

Mission: The Forest Centre incorporates school board curriculum, recreational activities and social living skills into a well-balanced outdoor education program. Students become more aware of their social environment and the natural environment; they develop an understanding of basic ecological principles and processes. The program encourages an appreciation and concern for the environment and promotes conservation as a way of life.

Site and Program Features: The Forest Centre is located adjacent to the Ganaraska Forest, a tract of 10,500 acres of reforested land near Port Hope, Ontario. The forest stands a testimony to man's ability to restore lands once degraded by poor land use practices. Our programs emphasize student activity and participation. Most programs are conducted outdoors, in small groups.

(1228)

Guelph Lake Interpretive Center

RR 4
Guelph, ON N1H 6J1
(519) 836-7860
Director: Dan Schneider
Operator: Grand River Conservation Authority

Open to youth groups and the general public. Day programs. Open every day. Hours: M-T 8:30-4:30; Sat.-Sun. 9-5 Annual budget $50-100,000. 2 Full-time staff. 4000 Acres.

Mission: The Guelph Lake Interpretive Centre provides conservation education programs to school classes, community groups, and the general public of the Grand River watershed. As an educational branch of the Grand River Conservation Authority, we try to increase awareness of the importance of our natural environment, especially that which relates to water resources.

Site and Program Features: The Guelph Lake Interpretive Centre is located on the shore of Guelph Lake, a reservoir constructed in 1976 to control water flow in the Speed River. Special programs include water studies and dam tours, and the centre is also well equipped for other conservation education programs.

Unique Features: We are situated beside the Guelph Lake dam, which is located in a large drumlin field.

(1229)

Lorne C. Henderson Conservation Area

RR 4
Petralia, ON N0N 1R0
(519) 882-2280

Contact: Sharon Jones, Conservation Ed. Coordinator
Operator: St. Clair Region Conservation Auth.

> Open to youth groups and the general public. Day programs. Open every day except Saturday, Sunday. Hours: 8:30-4:30 Closed on major holidays. Annual budget $50-100,000. 2 Full-time staff. 283 Acres. Camping.

Mission: The goal of our outdoor education facility is to create a conservation ethic within the minds of school children to encourage their future participation in activities and issues relating to the difficult environmental challenges which face our society. We hope to achieve this through creating an enthusiasm for the natural environment.

Site and Program Features: The outdoor program at LCH is operated in a natural area featuring woodlots, open fields, sands and wetlands. A wide variety of innovative programs exposes students to hands-on activities related to many environmental issues. Current cooperative ventures with groups like Ducks Unlimited show students man can have a positive influence on natural area preservation.

(1230)

Kortright Centre for Conservation

Metro Toronto and Region Conserv.
#5 Shoreham Dr.
Toronto, ON M3N 1S4
(416) 832-2289 FAX: (416) 661-6898

Director: Bill McLean
Contact: Bob Burchett, Supervisor

> Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: 10-4; open to groups anytime Seasonal changes in schedule. Annual budget more than $1,000,000. 10 Full-time staff. 800 Acres. Fees charged for facility use. Newsletter.

Mission: The centre is to provide the public and school with an understanding of conservation and environmental issues, especially as they relate to policies and practices of the conservation authority.

Site and Program Features: Our very experienced staff who teach over 65,000 school children about the environment. Wide ranging public programs are directed by on-staff specialists. The fantastic facility includes grassland, a river valley, and a large exhibit building.

(1231)

Longwoods Road Conservation Area

Lower Thames Valley Cons. Auth.
RR 1
Mount Brydges, ON N0L 1W0
(519) 264-2420

Director: Jerry Campbell
Contact: Bonnie Carey, Comm. Relations Coordin.

> Open to youth groups and the general public. Day programs. Open every day except Saturday, Sunday. Hours: 9-4:30 Seasonal changes in schedule. Closed on major holidays. Annual budget $50-100,000. 3 Full-time staff. 155 Acres. Lodging. Camping. Fees charged for facility use. Newsletter.

Mission: The goals of the Longwoods Road Conservation area are to encourage the wise use and management of our renewable natural resources: soil, water, vegetation and wildlife. An appreciation of native life 1,000 years ago is demonstrated through the Ska-Nor-Doht Indian Village and Museum.

Site and Program Features: The Longwoods Road Conservation Area is a 155 acre park consisting of woodlands, meadows, streams, ravines and marshland. The Ska-Nah-Doht Indian Village is located within this park and is a re-creation of a prehistoric Iroquoian village. Its 16 structures illustrate native culture 1,000 years ago. Programs and facilities encourage conservation and native studies.

(1232)

MacGregor Point Prov. Park

RR 1
Port Elgin, ON W0H 2C0
(519) 389-9055

Operator: Ministry of Natural Resources

> Open to the general public. Multi-day programs. Open every day. Hours: 12-4:30 Open late June to Labor Day Annual budget $100-250,000. 1 Full-time staff. 3000 Acres. Camping. Fees charged for facility use.

Mission: We aim to help people discover MacGregor Point's unique features by inspiring their curiosity so that they will develop a keener awareness of, appreciation for and understanding of the park.

Site and Program Features: The shoreline ridges of post-glacial lakes have impounded water creating a variety of wetlands. Each is unique. We encourage people to personally get to know these features and the flora and fauna associated with them while at the same time having fun.

Unique Features: The park is located on a former glacial lake plain with many ridges, ponds and wetland areas.

(1233)

Mac Skimming Outdoor Education Centre

RR 2
Cumberland, ON K0A 1S0
(613) 833-2080
Director: R. Ferguson
Operator: Ottawa Board of Ed.

Open to youth groups. Day programs. Open every day except Saturday, Sunday. Hours: 8:30-4:30 Seasonal changes in schedule. Annual budget $250-500,000. 8 Full-time staff. 400 Acres. Lodging.

Mission: Our mission is to implement, supplement and enrich classroom curriculum by using the outdoors. We also provide inservice training to teachers to make better use of the real world to enrich their students learning.

Site and Program Features: The site offers a good cross-section of environmental habitats from acquatic, marsh, and forests. The site has been subdivided into three learning centers: an operating farm, a natural science center and a pioneer centre.

(1234)

The Jack Miner Migratory Bird Foundation

Kingsville, ON N9Y 2E8
(519) 733-4034
Director: Kirk W. Miner

Open to youth groups and the general public. Day programs. Open every day except Sunday. Hours: 8-6 (Museum: 9-5) Seasonal changes in schedule. Annual budget $250-500,000. 2 Full-time staff. 400 Acres.

Mission: Our mission is to help conserve waterfowl for future generations to see and enjoy.

Site and Program Features: Jack Miner was the founder of the waterfowl refuge system. He pioneered bird banding, tagging over 50,000 ducks and 40,000 Canada geese. Each contains a verse of Scripture. Canada set aside the week of his birthday (April 10) as National Wildlife Week.

(1235)

Ministry of Natural Resources

Long Point Prov. Park
Box 99
Port Rowan, ON N0E 1M0
(519) 586-2133
Director: M. F. McKenzie
Contact: Betty Ann Jamieson, Park Clerk
Operator: Provincial Government

Fees charged for facility use.

(1236)

Mono Cliffs Outdoor Ed. Centre

RR 1
Orangeville, ON L9W 2Y8
(416) 452-0505
Director: Janet Stewart
Contact: R. Byford, Asst. Coordin. Of Outdoor Ed.
Operator: Board of Ed., City of North York

Open to youth groups. Conference facilities. Multi-day programs. Open every day. Hours: 7 am-10 pm Closed on major holidays. Annual budget $500K-1,000,000. 9 Full-time staff. 86 Acres. Lodging. Fees charged for facility use. Newsletter.

Mission: We hope to foster concern about the natural environment and the interaction of people and the environment. We want all of the students who come to Mono Cliffs Outdoor Education Centre to have a unique learning experience. We hope that they will discover something new–about the environment and the special living things that inhabit it, about themselves and others and about the Mono Cliffs community. It is our wish that students will appreciate and value the natural environment and that they will also carry back to their home environment a desire to preserve and protect it.

Site and Program Features: The Mono Cliffs Outdoor Education Centre is located on the Niagara Escarpment, adjacent to the Bruce Trail. The strength of our program is the expertise and flexibility of our staff. We plan with visiting teachers to ensure the program here blends into and supports the visiting school's needs.

Unique Features: This section of the Niagara Escarpment has a fascinating collection of caves, cliffs and springs peculiar vegetation.

Access trails into natural areas are popular throughout Canada and the United States. Photo courtesy of Longwoods Road Conservation Center.

(1237)

Muskoka Board of Education

PO Box 750
Bracebridge, ON P0B 1C0
(705) 645-8704 FAX: (705) 645-8452
Director: David Story
Contact: John M. Duncan, Consultant - Outdoor Ed.

Open to youth groups. Multi-day programs. Open every day. Seasonal changes in schedule. Closed on major holidays. 3 Full-time staff. 200 Acres. Lodging.

Mission: Our mission is to provide an opportunity for: outdoor recreational activities; personal growth through leadership activities; environmental awareness programs; and the extension of school curricula.

Site and Program Features: Special features include 300 acres of deciduous and coniferous forest, a few small fields, a stream and three spring-fed ponds. A number of granite rock outcrops and gravel deposits compliment the remoteness of the area. The field centre is composed of a farmhouse plus portable classrooms for dormitories and a dining/kitchen building. All grade 6 students spend 3 days/2 nights involved in recreation and academic programs. Many high school classes attend specialized programs.

(1238)

National Capital Commission

116 Launer West Ave.
ON K1P 6J6
(819) 827-2020
Director: Jean-Rene Doyon
Contact: Claire Despins, Program Officer

Open to youth groups and the general public. Conference facilities. Day and multi-day programs. Open every day. 1 Full-time staff. 88,000 Acres. Lodging.

Site and Program Features: Rustic centre, log cabins, very isolated, peaceful, comfort but in the wilderness.

(1239)

Ontario Science Centre

770 Don Mills Rd.
Don Mills, ON M3C 1T3
(416) 429-4100 FAX: (416) 429-2934 Director: Mark Abbott
Contact: Shari Lash, Communications Officer
Operator: Ministry of Culture and Communication

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: 10-6, Fridays til 9 Annual budget more than $1,000,000. 200 Full-time staff. Fees charged for facility use. Newsletter.

Mission: To spark the imagination and curiosity of all ages while making science easy to understand, participatory and fun.

Site and Program Features: A vast playground of science with over 800 hands-on exhibits in over 10 exhibit halls exploring space, technology, communications and more. Built into a ravine, the Ontario Science Centre is a beautiful facility covering 400,000 square feet in some of the most beautiful parkland in Toronto.

There's just as much environment out there in the winter as there is in the summer, it just takes a little more equipment to get to explore it. Photo courtesy of Longwoods Road Conservation Center (see p.351).

(1240)

Pine River Outdoor Education Centre

Box 56
Horning's Mills, ON L0N 1J0
(519) 925-6200
Contact: G. R. Kingsmill, Supervisor
Operator: City of York Board of Education

Open to youth groups. Conference facilities. Multi-day programs. Open every day except Saturday, Sunday. Seasonal changes in schedule. Closed on major holidays. Annual budget $250-500,000. 5 Full-time staff. 200 Acres. Lodging. Camping.

(1241)

Point Pelee National Park

RR 2
Leamington, ON N8H 3V4
(519) 322-2365 FAX: (519) 322-2365
Director: H. Ross Thomson
Contact: Lily Meley, Chief, Visitor Services
Operator: Government of Canada

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: 6 am-10 pm Seasonal changes in schedule. Camping. Fees charged for facility use.

Mission: National Park's mandate is to protect and preserve for this and future generations.

Site and Program Features: One of the best places in North America to view the spring migration of birds. Also noted for fall bird migration and monarch butterfly migration.

(1242)

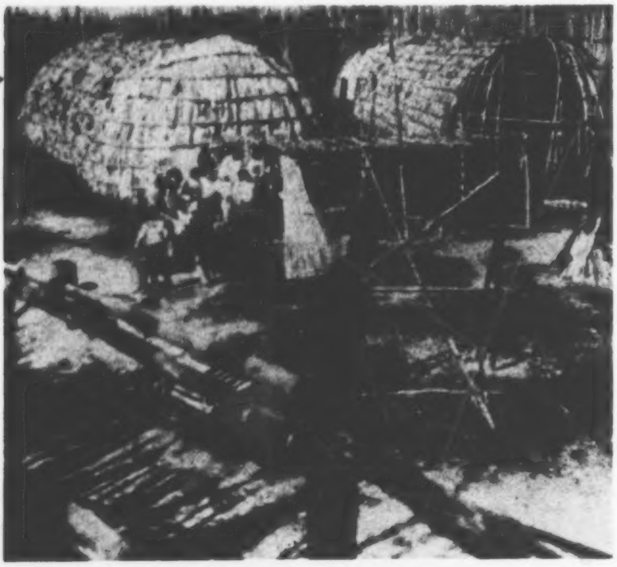
Rondeau Provincial Park

RR 1
Mordeth, ON N0P 1X0
(519) 674-5405
Director: Paul G. Wiper
Contact: Rob Burnett, Park Operations Tech.
Operator: Ministry of Natural Resources

Open to youth groups and the general public. Day programs. Open every day. Hours: 10-5 Open April-October Annual budget $100-250,000. 1 Full-time staff. 12000 Acres. Camping. Fees charged for facility use.

Mission: Our mission is to provide a facility for outdoor education and activity, and to promote the historical and natural science significance of the area.

Site and Program Features: Our site features a cuspate peninsula, rare Carolinian Forest in this area, rare floral species, and unique bird viewing opportunities.



A Ska-Nah-Dont Indian Village at the Longwoods Road Conservation Center (see p.351).

(1243)

Royal Botanical Gardens Nature Interpretive Centre

Old Guelph Rd.
Box 399
Hamilton, ON L8N 3H8
(416) 527-7962 FAX: (416) 577-0375
Contact: Barbara McKean, Supervisor
Operator: Royal Botanical Gardens

Open to youth groups and the general public. Day programs. Open every day. Hours: 10-4 Annual budget $50-100,000. 2 Full-time staff.

Mission: We seek to focus attention on our natural heritage and the need for its protection by involving people of all ages in hands-on activities that stimulate their awareness and understanding of the natural environment.

Site and Program Features: Much of the mandate of the Royal Botanical Gardens involves native plant conservation, and so we maintain 2,800 acres of nature sanctuary. Though our interpretive themes focus on Carolinean flora and fauna (we lie near the present northern limit of this ecotype), the Niagara Escarpment, and wetland ecology (we are in the midst of an ambitious marsh restoration project in our largest sanctuary), we offer programs for any age group dealing with almost any subject in the field of natural history.

(1244)

Scarborough Board of Education

Box 210
Kearney, ON L1W 3B8
(705) 636-5384 FAX: (705) 636-7219
Director: John McNeil
Operator: Scarborough Board of Education

Open to youth groups. Multi-day programs. Open every day. Seasonal changes in schedule. Closed on major holidays. 9 Part-time staff. 600 Acres. Lodging. Camping. Fees charged for facility use.

(1245)

Sheldon Centre for Outdoor Ed.

East York Board of Ed., Toronto
RR #1
Alliston, ON L0M 1A0
(705) 435-4266
Contact: Mark Whitcombe, Supervisor
Operator: East York Board of Ed. (Toronto)

Open to youth groups. Multi-day programs. Open every day. Annual budget $250-500,000. 3 Full-time staff. 195 Acres. Newsletter.

Mission: Sheldon provides curriculum-based programs for all grade 6 and junior special education students from East York as well as older groups. Our programs can be divided into six broad, overlapping and integrated areas: nature and the environment, pioneer and historical heritage, agricultural and rural, recreational, personal development and social development.

Site and Program Features: Coming to Sheldon is one of the highlights of being in grade 6 for East York students. Each week's program is tailored to meet the special needs of individual students and classes. We use the wealth of available activities to help the student come to grips on both a personal and a social level with their experiences.

(1246)

South Nation River Conservation Authority

Box 69
Berwick, ON K0C 1G0
(613) 984-2949
Director: Dennis O'Grady
Contact: Suzanne Derochit, Information & Ed. Coord.

Open to youth groups and the general public. Conference facilities. Day programs. Open every day except Sunday. Hours: 8:30-4:30. Closed on major holidays. Annual budget more than $1,000,000. 12 Full-time staff. 9000 Acres. Newsletter.

Mission: Our mission is to provide a coordinated approach to land and water management and promote conservation awareness.

Site and Program Features: The South Nation River Conservation Authority is a 3,900 sq. km watershed. Our mandate is flood control with concerns in soil erosion, forestry, and water quality. Through our environmental awareness education programs, watershed residents (children and adults) learn how they can become involved citizens.

(1247)

Taquanyah Nature Centre

RR 4
Cayuga, ON N0A 1E0
(519) 768-3288
Director: George Stormont
Contact: Rick Dowson, Marketing/Interp. Serv.

Open to youth groups and the general public. Day programs. Open every day except Saturday. Hours: 10-5 Seasonal changes in schedule. Closed on major holidays. Annual budget $25-50,000. 2 Full-time staff. 330 Acres.

Mission: Our mission is to make valley residents aware of what the Grand River Conservation Authority does to reduce flooding and reduce the chance of loss of life and damage to property.

Site and Program Features: This is a Carolinian site and its trails take one through four strikingly different habitats. Bird watching is particularly appropriate to this site.

Unique Features: Our site features Indian stone chipping areas, heavy clay with a good acid rain buffer in soil and water.

(1248)

Tiffin Centre for Conservation

Nottawasago Valley Cons. Auth.
RR 1
Angus, ON L0M 1B0
(705) 424-1479
Director: Dan White
Contact: B. MacKenzie-Wynia, Comm. Relations Tech.

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: 8:30-4:30 Seasonal changes in schedule. Annual budget $25-50,000. 1 Full-time staff. 520 Acres. Camping. Fees charged for facility use. Newsletter.

Mission: Tiffin provides opportunities for recreation and education. Packed into the proposed 520-acre site is a productive mixture of wetlands, forest, open meadows, ancient lake beds, glacial shorelines, uplands, and the rich valley lands of Bear Creek. Tiffin provides protection for these natural features, but at the same time serves as a living example of management of natural resources using modern conservation principles. Towering white pines, reminiscent of the former forest, stand adjacent to red pine plantations. A tamarack bog with rare wild orchids lies amid the evidence of land clearing and former attempts at agriculture. The hydro corridor is a practical demonstration that wildlife, recreation and power lines can co-exist.

Site and Program Features: Since young people represent our next generation of landowners, resource users, recreationists and decision makers, it is essential that they learn about the importance of conservation. At Tiffin, however, they can learn more than the principles; they can pick up practical skills and techniques. This is the best possible investment we can make for our children and for a vital and flourishing Nottawasaga Valley. "We do not inherit the earth from our forefathers, we borrow it from our children."

Unique Features: The Nottawasaga Valley is unique to all of Canada. It contains important natural features such as the spawning grounds for Georgian Bay rainbow trout, and some of the last wetlands in southern Ontario. Early residents settled and prospered, managing to harmonize agriculture and town development with the natural beauty of the valley. Today, the Tiffin Centre for Conservation captures the essence of the Valley. Tiffin represents this blend of nature and settlement.

(1249)

Toronto Urban Studies Centre

51 Larchmount Ave.
Toronto, ON M4M 2Y6
(416) 393-0661
Director: Jerry Hodge
Contact: Ron Brown, Site Supervisor
Operator: Toronto Board of Education

Open to youth groups. Conference facilities. Day programs. Open every day except Saturday, Sunday. Hours: 9-4:30 Closed on major holidays. Annual budget $100-250,000. 8 Full-time staff.

Mission: The Toronto Urban Studies Centre introduces to Toronto Board of Education students urban ecology, social history and many aspects of the built environments of Toronto as they have developed over time. We attempt to develop concepts which demonstrate that these developments are the result of human thought, energy and need in a rapidly changing social context.

Site and Program Features: The sites for the urban programs are in Toronto streets, offices, parks and museums. The program uses the city as a teaching resource. It provides for city students a large variety of programs to help them develop their own sense of their living environment.

(1250)

Voyageur Interpretive Center

Samuel de Champlain Provincial Park
Box 147
Mattawa, ON P0H 1V0
(705) 744-2276
Director: John Drechsler
Contact: David Harding, Visitor Services Tech.
Operator: Ministry of Natural Resources

Open to youth groups and the general public. Multi-day programs. Open every day. Hours: 8-4:30 Seasonal changes in schedule. Annual budget $100-250,000. 2 Part-time staff. 6000 Acres. Lodging. Camping. Fees charged for facility use.

Mission: The Voyageur Interpretive Centre is located in a Provincial Park which is fortunate to have a significant portion of the famous historical Mattawa River on site. The center attempts to inform and educate visitors about the Voyageur era by using displays, films and interpretive staff.

Site and Program Features: The Voyageur historical flavor is interpreted by staff in costume and utilizes the on-site historical route, which comprises part of the park. Hands-on displays, i.e., 38-ft. voyageur canoe and other artifacts, are on site. Programming includes indoor theatre, amphitheatre and educational conducted hikes.

(1251)

Waterloo County Bd.

51 Ardelt Ave.
Box 68
Kitchner, ON N2G 3X5
(519) 632-7503
Director: Frank Glen

Open every day except Monday, Sunday. Hours: 8:30-4 Seasonal changes in schedule. Open to youth groups. Day programs. Annual budget $10-25,000. 6 Full-time staff. 5000 Acres.

Mission: Our mission is to develop positive environmental values.

Site and Program Features: We offer environmental values education and issue oriented education.

(1252)

Waterloo Region R.C. School Board

91 Moore Ave.
Kitchener, ON N2G 4G2
(519) 885-1289
Director: G. Flynn
Contact: Brent Dysart, Outdoor/Env. Ed. Consult.
Operator: Grand River Conservation Auth.

Open to youth groups and the general public. Day programs. Open every day. Hours: 9-5 Seasonal changes in schedule. Annual budget $100-250,000. 3 Full-time staff. 800 Acres.

Mission: Our mission is the education of school age children to enable them to advance to adulthood with an environmental ethic exhibited by appropriate behavior.

Site and Program Features: Three independent (political) bodies share responsibilities for program offering.

(1253)

Wildwood Conservation Area

RR #2
St. Marys, ON N0M 2V0
(519) 284-2829
Director: Don Pearson
Contact: Steve Sauder, Conservation Ed. Super.
Operator: Upper Thames River Conservation Auth.

Open to youth groups and the general public. Day programs. Open every day. Hours: 8:30-4:30 Seasonal changes in schedule. Annual budget $50-100,000. 3 Full-time staff. 3000 Acres. Camping. Fees charged for facility use. Newsletter.

Mission: Our mission is to increase the public's awareness and appreciation of the watershed's natural resources and gain support for the authority's resource management programs.

Site and Program Features: We have a marshland area used by migrating waterfowl. The area is baited in the fall and also protected from hunting. All our programs are activity oriented.

Winter carnivals are well-attended events at nature centers in northern areas. Photo courtesy of Longwoods Road Conservation Center (see p.351).

(1254)

Wye Marsh Wildlife Centre

PO Box 100, Hwy. 12
Midland, ON L4R 4K6
(705) 526-7809
Director: Bob Whittam
Operator: Friends of Wye Marsh

Open to youth groups and the general public. Conference facilities. Day and multi-day programs. Open every day. Hours: Winter: 9-4; Other: 9-6. Annual budget $100-250,000. 8 Full-time staff. 1000 Acres. Fees charged for facility use. Newsletter.

Mission: The program emphasizes appreciation, understanding and enjoyment of our natural resources, particularly wetlands, for all ages from toddler to senior.

Site and Program Features: The Wye Marsh Wildlife Centre is a nonprofit conservation education facility open year-round to the general public and school groups. Self-guiding nature trails, cross-country interpretive ski trails, snowshoeing through forest, field and wetland promote nature awareness. The re-introduction of the once-extinct trumpeter swan is a major program for 1989-90. The famous Festival of Conservation and Art Takes place yearly during the 3rd weekend in September.

"Look at the geese!" In Bergan County, N.J., a flock of Canadian Geese adds excitement to a winter field-study day.

Strong community support is vital for the ongoing success of a nature center. Board members, government leaders, teachers, foundation representatives and many others need to know about the center, its programs, needs and future plans. Photo courtesy of Atlanta, Georgia's Outdoor Activity Center.

(1255)

Centre Educatif Forestier de Duchesnay

143 Rt. Duchesnay Ste.
Catherine de la Jacques-Cartier, QB G0A 3M0
(418) 875-2711

Director: Denis Blanchet
Contact: Lucille Bastine, Naturalist

Open to youth groups and the general public. Day and multi-day programs. Open every day except Saturday, Sunday. Hours: 9-5 May-end of Oct.: open weekends Annual budget $250-500,000. 5 Full-time staff. Lodging.

Mission: Within a learning process through educative programs offered by our center, we want our clientele to understand that forest ecosystems are complex and fragile. Also that their quality of life depends on well-advised forest management and their participation in tree conservation.

Site and Program Features: We feature an interpretive pavilion; 14 miles of nature trails; a range of didactic materials: exhibits, films, slide presentations, pamphlets, etc.; a team of naturalists who lead the programs and convey their message for conservation.

(1256)

Lirands-Jardins Park

Box 190
Saint-Hrbain, QB G0A 4K0
(418) 622-4444

Director: Roger Roy
Contact: D'Antenil Jocelyn, Naturalist
Operator: Leisure Fish and Game

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: 9-4:30 Seasonal changes in schedule. Annual budget $50-100,000. 3 Part-time staff. 76,603 Acres.

(1257)

Parc de la Jacques-Cartier

9530, de la Faune
Charlesbourg, QB G1G 5H9
(418) 622-4444 FAX: (418) 622-3014

Director: Pierre-Jules Lavigne

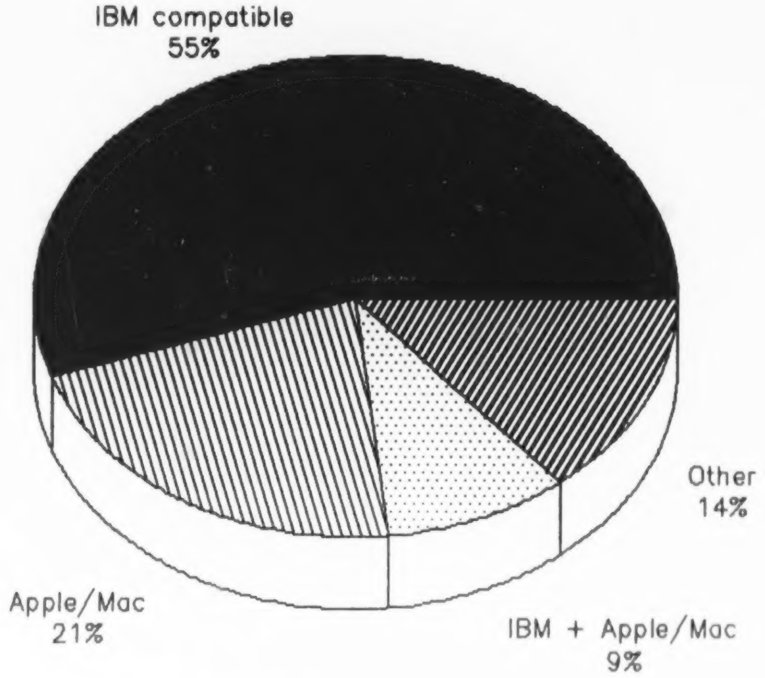
Open to youth groups and the general public. Day programs. Open every day. Hours: 7 am-8 pm Seasonal changes in schedule. Annual budget $500K-1,000,000. 2 Full-time staff. Camping.

Mission: To preserve a sample of Quebec's natural heritage that is representative of the 43 natural regions or are exceptional features; to contribute to the population's need for leisure and outdoor activities; to associate the Quebecers to the development of their parks.

Site and Program Features: Most exciting and impressive landscape east of the Canadian Rockies; a boreal massif with a mean altitude of 750 m and 600-m-deep valley; wolf howling, moose calling, salmon spawning, night program for campers (slide show), autumn class program, self-guided trails, recreo-educational canoe map, slide show and exhibit room on the park's natural features. These programs are conducted in French.

Numerous wild, natural and scenic areas have been preserved, thanks to individuals whose environmental and aesthetic values helped assure the continued existence of these unspoiled vistas. It is a job for nature centers to continue to foster growth of an environmental ethic in society. Photo courtesy of the National Park Service.

Computer Use



Keep yourself in touch with what is happening at nature centers across the continent; see the Foreword for the 1990 Stats.

(1258)

Beaver Creek Conservation Area

Meewasin Valley Auth.
402 3rd Ave. S.
Saskatoon, SK S7K 3G5
(306) 665-6887
Director: Fred Heal
Contact: Todd Brandt, Chief Interp.

Open to youth groups and the general public. Conference facilities. Day programs. Open every day. Hours: 9-9; Winter: Sat.-Sun. 9-5 Closed winter weekdays. Seasonal changes in schedule. Annual budget $100-250,000. 3 Full-time staff. 3 Part-time staff. 340 Acres.

Mission: A creek forming a valley; a valley forming habitats. In a beautiful natural setting, we provide the stepping stones to conservation through awareness and activity-based programs.

Site and Program Features: Beaver Creek Conservation Area is a place where a prairie creek meets a prairie river. Our programs interpret the formation of the valleys, their history and prehistory, the sand-based habitat and its associated wildlife from a conservation perspective. We provide special groups programs year round.

(1259)

Condie Nature Refuge

3211 Albert St.
Regina, SK S4S 5W6
(306) 787-9494
Contact: Richard Doualin, Conservation Director
Operator: Saskatchewan Parks, Rec. & Culture

Open to youth groups and the general public. Day programs. Open every day. Hours: Daylight hours. Annual budget less than $10,000. 1 Part-time staff. 320 Acres.

Mission: Condie Nature Refuge is a 320-acre recreation site located approximately six miles NW of Regina, Saskatchewan. This refuge provides the public with a chance to enjoy nature in a quiet setting throughout the year.

Site and Program Features: Condie Nature Refuge provides a large picnic and day-use area for all size groups. Hiking trails are well maintained and wildlife is abundant. Condie reservoir provides excellent bird watching and fishing for yellow perch. Tours are provided during spring months and the museum is open on request.

(1260)

Meewasin Valley Centre

Meewasin Valley Auth.
402 3rd Ave. S.
Saskatoon, SK S7K 3G5
(306) 665-6888
Director: Fred Heal
Contact: Brenda Jauzen, Chief Interp.

Open to youth groups and the general public. Conference facilities. Open every day. Hours: M-F 9-5; Sat.-Sun. 10:30-6 Seasonal changes in schedule. Annual budget $100-250,000. 2 Full-time staff.

Mission: The Meewasin Valley Centre is located in the heart of Saskatoon. At the Centre you will discover the story of Saskatoon's past, present and future through displays and heritage objects, interactive, touch-screen video productions and aerial photographs. As well, you can go on a self-guided walking tour of Saskatoon to see and read about these heritage places.

(1261)

Prince Albert National Park Nature Centre

Box 100
Waskesiu Lake, SK S0J 2Y0
(306) 663-5322 FAX: (306) 663-5424
Contact: Merv Syroteuk, CPN
Operator: Government of Canada/Dept. of Environ.

Open to youth groups and the general public. Conference facilities. Day and multi-day programs. Open every day. Hours: June-Sept. 10-5 Seasonal changes in schedule. Annual budget $10-25,000. 6 Full-time staff. 950,000 Acres. Lodging. Camping. Fees charged for facility use. Newsletter.

Mission: The Nature Centre in Prince Albert National Park is part of the park's overall year-round interpretive program. Within the context of Canada's national park policy we have a mandate to interpret the park's natural and cultural heritage, provide opportunities for the public to become involved in these and promote the appreciation and understanding of the park so as to leave it unimpaired for future generations.

Site and Program Features: The park's interpretive programs include numerous personal and nonpersonal services. The nature centre proper helps provide visitors with an overview of the park through displays, activities, guided events, A/V and films. We host small travelling and temporary exhibits related to national parks and environmental themes.

Unique Features: The park lies on the southern edge of the great northern Canadian forest. It straddles the transition zone between the Canadian prairies, the aspen parkland and boreal forest of the southern boreal plain.

(1262)

Saskatchewan Parks, Recreation, and Culture

Saskatchewan
Parks, Recreation
and Culture

3211 Albert St.
Regina, SK S4S 5W6
(306) 787-2327 FAX: (306) 787-8442
Contact: Lin Gallagher, Natural Env. Programs Specialist

Open to youth groups and the general public. Conference facilities. Day and multi-day programs. Open every day. Hours: Contact Heach Park for schedule Seasonal changes in schedule. 1 Full-time staff. Fees charged for facility use.

Unique Features: Interpretive programs are operated in 10 provincial parks and Condie Nature Refuge. Most of the parks have a visitor center. The facilities available at each park vary as extensively as the type of environment that each represents.

Meewasin
Means beautiful
10th Anniversary

As adults, most of our environmental values are already set and there is little room for significant change. In the hands of children lies the future of Earth, our only home. It is the mission of nature centers to help our youth learn a respect for living things, an appreciation of natural beauty and a values system which will guide them to become ecologically moral adults. That is the greatest thing we can hope to do.

Appendix A: Profiles

- Facilities
- Setting
- Staff
- Audiences
- Special Populations
- Programs and Curricula
- Certification

(See following tables, arranged alphabetically by state)

NAME (PAGE #)	Facilities										Setting			Staff		Audiences									Special Populations							Programs and Curricula																				Certification				
	captive wild animals	farm animals	exhibits	recycling center	solar energy construction	planetarium	library	bookstore	greenhouse	overnight lodging	urban	suburban	rural	college interns	multilingual staff	elementary	secondary	undergraduate	graduate	in-service teachers	youth groups	general public	conference groups	adult retreat	hearing impaired	educationally handicapped	vision impaired	mobility impaired	mentally handicapped	gifted and talented	multilingual	adventure education	environmental issues	animal rehabilitation	Project WILD	Earthkeepers	Sunship Earth	OBIS	NEED	Essence	Green Box	Project Learning Tree	REEP	STS	Ranger Rick	Class Project	Project Adventure	Living Lightly in City/Planet	Forest Ser. Proc. Approach	Audubon Adventures	Vol. Teaching Children	ACA	AAM	Urban Wildlife Education	National Study Area	Ins. for Earth Ed. Sher. Ctr
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Anniston Museum of Nat. History (001)	●		●					●			●					●	●	●	●	●	●	●					●			●			●																							
Bear Creek Education Center (001)										●			●			●	●	●	●	●	●	●	●	●											●		●					●														
Bellingrath Gardens & Home (001)			●						●				●			●	●					●																																		
Birmingham Botanical Gardens (001)					●		●	●	●		●	●				●	●	●		●	●	●	●																			●			●											
Burritt Museum and Park (001)			●								●				●	●	●			●	●	●													●	●	●	●				●														
Camp Cosby Env. Ed. Center (002)	●	●	●				●	●		●			●			●	●				●	●	●	●						●		●	●	●	●			●				●			●		●			●		●				
Discovery Hall Program (002)							●	●		●				●		●	●	●	●	●	●	●	●	●									●		●																					
Dothan Landmark Park (002)		●	●			●	●	●				●				●	●			●	●	●	●			●		●	●	●		●	●		●		●	●				●			●											
Environmental Studies Center (002)	●	●	●	●			●						●	●		●	●			●	●	●								●			●	●	●				●			●			●											
Exploreum (003)			●								●					●	●	●	●	●		●				●				●																										
Lakepoint Resort State Park (003)			●	●								●		●		●	●			●	●	●	●	●						●			●		●			●							●					●						
Madison County Nature Trail (003)			●									●				●	●					●					●																													
Ruffner Mountain Nature Center (003)	●		●					●			●			●		●	●	●			●	●			●	●				●					●	●		●				●									●					
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Wheeler National Wildlife Refuge (004)																●	●	●	●	●	●	●																																		
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Alaska Maritime National Wildlife Ref. (005)			●					●					●			●	●			●	●	●													●							●				●										
Alaska Public Lands Info. Center (005)			●				●									●	●	●		●	●	●													●			●				●						●								
Center for Alaska Coastal Studies (005)			●				●			●			●			●	●	●	●	●	●	●	●	●									●																							
Fort Richardson Fish & Wildlife Ctr (006)			●													●	●	●			●	●																																		
Kenai National Wildlife Refuge (006)			●				●	●					●	●		●	●	●		●	●	●	●	●											●						●	●				●										
Kodiak National Wildlife Refuge (006)			●										●			●				●		●											●		●			●				●			●	●				●						
Mendenhall Glacier Visitor Center (006)			●					●				●	●		●	●	●	●	●	●	●	●													●																					
Pratt Museum (007)			●				●	●					●			●	●	●			●	●	●																														●			
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Arizona Mineral Museum (009)			●								●					●	●	●	●	●	●	●					●																													
Arizona-Sonora Desert Museum (009)	●		●				●	●					●			●	●			●	●	●	●		●		●			●			●	●	●																					
Cabeza Prieta Nat. Wildlife Refuge (009)			●		●								●		●	●	●		●		●	●																																		
Chiricahua National Monument (009)			●				●	●					●	●	●	●	●	●	●	●	●	●	●	●	●								●						●						●											
Imperial National Wildlife Refuge (010)			●		●								●		●	●	●				●	●	●												●																					
Kofa National Wildlife Refuge (010)			●										●			●	●		●			●													●							●			●					●						
Maricopa County Parks & Recreation (010)	●		●							●			●			●	●	●	●	●	●		●	●																																
Mile Hi/Ramsey Canyon Preserve (010)								●		●			●	●				●	●			●																																		
Natural Resource Education Project (011)			●				●				●					●	●	●	●	●	●	●	●	●								●	●		●							●			●											
Organ Pipe Cactus National Mon. (011)			●					●					●	●	●	●	●	●	●		●	●			●			●			●		●																							
Petrified Forest National Park (011)			●					●					●	●	●	●	●					●																							●											
Project L.I.F.E. (011)										●			●	●		●	●			●	●		●	●		●		●	●	●	●		●																							
Pueblo Grande Museum (012)			●					●			●					●	●	●	●			●																																		
Reid Park Zoo (012)	●		●				●				●			●	●	●	●	●	●	●	●	●					●	●	●	●	●		●		●							●			●											
Resource Center for Environ. Ed. (012)							●					●		●		●	●	●	●	●	●	●				●				●			●		●							●			●											
Sabino Canyon, Coronado Nat. Forest (013)								●							●	●					●	●													●			●										●		●						
Science Learning Center (013)							●									●	●	●	●	●															●			●	●	●	●	●		●					●							
Sonoran Arthropod Studies Inc. (013)					●		●	●			●		●			●	●	●	●	●	●																																			
Sunset Crater National Monument (013)			●					●					●		●	●	●	●			●	●																																		
Tohono Chul Park Inc. (014)			●				●		●		●	●			●	●	●	●	●	●	●	●			●			●					●		●										●											

NAME (PAGE #)	Facilities										Setting			Staff		Audiences									Special Populations							Programs and Curricula																				Certification				
	captive wild animals	farm animals	exhibits	recycling center	solar energy construction	planetarium	library	bookstore	greenhouse	overnight lodging	urban	suburban	rural	college interns	multilingual staff	elementary	secondary	undergraduate	graduate	in-service teachers	youth groups	general public	conference groups	adult retreat	hearing impaired	educationally handicapped	vision impaired	mobility impaired	mentally handicapped	gifted and talented	multilingual	adventure education	environmental issues	animal rehabilitation	Project WILD	Earthkeepers	Sunship Earth	OBIS	NEED	Essence	Green Box	Project Learning Tree	REEP	STS	Ranger Rick	Class Project	Project Adventure	Living Lightly in City/Planet	Forest Ser. Proc. Approach	Audubon Adventures	Vol. Teaching Children	ACA	AAM	Urban Wildlife Education	National Study Area	Ins. for Earth Ed. Sher. Cr
ARKANSAS																																																								
Arkansas Museum - Science & History (015)			●								●			●	●	●	●				●	●			●	●	●		●	●			●		●			●							●											
Arkansas Post National Memorial (015)			●				●						●			●	●	●	●	●	●	●																																		
Arkansas River Visitor Center (015)			●										●			●	●	●			●	●													●										●											
Bella Vista Historical Museum (015)							●	●					●			●	●	●			●	●	●																																	
Good Earth Association Inc (016)		●	●										●									●																																		
Hampson Museum State Park (016)			●										●			●	●	●	●		●	●																																		
Jefferson County Historical Museum (016)			●																																																					
Lake Ouachita Field Office (016)		●	●		●					●		●				●	●				●	●	●												●										●											
Meadowcreek Project (017)		●			●		●		●	●			●	●		●	●	●	●	●	●	●	●	●		●				●			●		●			●				●			●											
Pea Ridge National Military Park (017)			●		●			●					●			●	●	●			●	●																																		
Stuttgart Agricultural Museum (017)							●																																																	
Toltect Mounds Archeo. State Park (017)			●										●	●		●	●	●	●		●	●	●				●	●		●					●							●			●											
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Astrocamp (019)						●				●	●	●			●	●	●	●			●		●										●																			●				
Audubon Canyon Ranch (019)			●					●					●			●		●		●	●	●											●																							
Bay Model Visitor Center (019)			●								●					●	●	●	●	●	●	●	●			●	●	●	●	●			●		●							●			●											
Black Diamonds Mines (019)													●			●	●	●	●	●	●	●																																		
Cabrillo Marine Museum (019)			●					●			●					●	●	●			●	●				●		●	●				●																							
California Academy of Sciences (020)			●			●	●	●			●					●	●															●																					●			
California Marine Mammal Center (020)	●		●					●					●	●		●	●	●	●	●	●	●	●		●	●	●	●	●	●			●	●	●															●						
Camp Marston - YMCA (020)		●	●							●			●	●	●	●	●				●	●	●	●								●	●																			●				
Camp O-Ongo (020)		●								●			●			●							●	●											●		●	●				●				●			●							
Camp Ravencliff - YMCA (020)										●			●	●		●	●	●			●	●	●	●											●						●															
Camp Stevens (021)							●			●			●	●		●	●				●		●									●	●														●					●				
Carter House Nat. Sci. Museum (021)	●		●		●				●			●				●	●			●	●	●											●		●				●																	
Catalina Island Marine Institute (021)			●				●	●		●			●		●	●	●	●			●		●										●																			●				
Charmlee Natural Area Park (021)	●													●		●	●	●	●	●	●	●	●																						●											
Cibola National Wildlife Refuge (022)			●									●				●	●	●			●	●																																		
City of Palo Alto Junior Museum (022)	●		●									●		●		●	●	●	●	●	●	●			●	●	●	●	●	●			●	●				●															●			
Coyote Hills Regional Park (022)	●		●					●					●	●		●	●	●	●	●	●	●	●										●												●											
Coyote Point Museum (023)	●		●								●				●	●	●	●		●	●	●				●		●	●	●			●		●			●				●				●							●			
Crab Cove Visitor Center/Marine Res. (023)			●					●			●					●	●	●			●	●				●		●							●							●			●								●			
Crow Canyon Institute/Gardens (023)							●		●				●			●	●				●	●											●		●							●			●											
A Day in Nature (023)	●		●										●			●						●	●								●																									
Dept. of Environ.-Sonoma State (024)				●	●		●	●	●				●	●		●	●	●	●	●	●	●	●							●			●		●			●	●		●	●			●	●		●								
Discovery Center (024)	●	●									●					●	●					●				●					●				●			●				●														
Eastman Lake, U.S. Army Corps (024)			●		●								●			●	●					●													●							●			●											
Eaton Canyon (024)	●													●		●	●	●	●	●	●	●	●																						●											
Effie Yeaw Nature Center (025)	●		●					●			●	●		●		●	●	●	●	●	●	●				●	●					●	●	●	●			●			●	●			●											
El Camino Pines Outdoor School (025)							●			●			●		●	●		●	●		●	●	●	●							●	●			●			●				●			●							●				
Elkhorn Slough Nat'l Estuarine Res (025)			●					●					●	●	●	●	●	●	●	●	●	●													●															●						
Environmental Nature Center (026)							●									●	●			●	●	●													●							●			●	●										
Environmental Studies Area (026)	●								●		●					●	●	●		●	●	●												●																						
Fairfield Osborn Preserve (026)													●	●		●		●				●	●												●						●	●														
Fitzgerald Marinelife Refugue (026)												●				●	●	●		●	●	●																●																		
Foothill Horizons (027)			●		●					●			●	●	●	●	●			●	●	●	●	●	●	●	●	●	●	●	●	●	●		●							●			●	●										
Fort Roosevelt (027)											●				●	●	●	●		●	●	●		●	●	●			●	●	●	●	●	●	●			●				●								●						
Fox Outdoor School (027)			●				●			●			●			●					●		●	●											●							●														
Fullerton Arboretum (027)				●			●	●	●			●		●		●	●	●	●	●		●	●										●		●						●	●											●			

NAME (PAGE #)	Facilities										Setting			Staff		Audiences									Special Populations							Programs and Curricula																				Certification				
	captive wild animals	farm animals	exhibits	recycling center	solar energy construction	planetarium	library	bookstore	greenhouse	overnight lodging	urban	suburban	rural	college interns	multilingual staff	elementary	secondary	undergraduate	graduate	in-service teachers	youth groups	general public	conference groups	adult retreat	hearing impaired	educationally handicapped	vision impaired	mobility impaired	mentally handicapped	gifted and talented	multilingual	adventure education	environmental issues	animal rehabilitation	Project WILD	Earthkeepers	Sunship Earth	OBIS	NEED	Essence	Green Box	Project Learning Tree	REEP	STS	Ranger Rick	Class Project	Project Adventure	Living Lightly in City/Planet	Forest Ser. Proc. Approach	Audubon Adventures	Vol. Teaching Children	ACA	AAM	Urban Wildlife Education	National Study Area	Ins. for Earth Ed. Sher. Ctr
CALIFORNIA (Continued)																																																							
Gibson Ranch Camp (028)		●	●							●		●				●	●				●		●														●			●							●						●				
Great Valley Museum of Natural His. (028)			●				●	●			●			●		●				●	●	●				●	●			●					●			●					●			●											
Green Oak Ranch, Genesis Account (028)	●	●	●				●	●		●		●	●	●		●	●	●	●	●	●	●	●	●				●	●			●		●	●						●			●				●			●			
Griffith Observatory (028)			●			●		●					●			●	●						●																																	
Hartland Christian Camp, Genesis (029)								●		●			●	●		●	●	●	●	●	●	●	●	●									●																								
Havasu National Wildlife Refuge (029)													●			●						●																																	
Hayward Shoreline Interpetive Ctr. (029)			●									●		●		●	●	●	●	●	●	●	●			●		●	●	●			●		●			●											●						
Idyllwild Visitor Center (029)	●		●	●			●	●		●			●	●	●	●	●	●		●		●											●	●		●		●	●				●			●												
Irvine Historical Museum (029)																	●	●				●	●																																	
Jr. Center of Art and Science (030)	●		●								●			●		●	●			●	●	●																								●												
Jurupa Mountains Cultural Center (030)							●	●				●				●	●	●	●	●	●	●			●	●	●	●		●	●	●	●																										
Kern Environmental Education Prog (030)				●			●			●					●	●	●			●					●	●	●	●	●		●				●			●			●	●			●											
Klamath Basin National Wildlife Ref (031)			●					●					●	●		●	●	●	●	●	●	●														●		●																		
Lake Tahoe Visitor Center, USFS (031)			●										●	●		●	●	●			●	●													●		●			●			●	●			●				●						
Lava Beds National Monument (031)							●	●					●		●	●	●	●			●	●			●		●	●					●																							
Lawrence Hall of Science (031)			●			●	●	●			●	●		●	●	●	●			●	●	●			●	●	●		●	●																									●			
Living Desert (032)	●		●					●	●				●			●	●	●	●	●	●	●	●			●	●	●	●	●			●	●									●			●					●			●			
Loch Leven Conference Center (032)										●			●			●	●				●		●	●		●			●	●	●		●	●														●							
Los Angeles Zoo (032)	●	●					●	●			●				●	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●			●			●							●											
Marine Ecological Institute (032)	●						●				●					●	●	●	●	●	●	●	●										●																									
Micke Grove Zoo (032)	●		●					●					●	●		●	●	●	●		●	●													●	●						●			●	●											
Mission Springs Outdoor Education (033)	●		●	●	●		●			●			●		●	●	●															●	●		●		●	●				●					●			●						
Monterey County Outdoor Ed. (033)										●			●	●	●	●																	●		●		●	●				●	●		●	●										
Morro Bay Museum of Natural History (033)			●					●					●			●	●	●			●	●					●																												
John Muir National Historic Site (033)			●					●			●	●			●	●	●	●	●		●	●			●	●	●	●	●	●			●																								
Naturalist Associates (034)													●			●	●	●		●	●	●		●								●	●																								
North Valley - Appropriate Tech Ctr (034)						●						●					●		●	●														●		●																						
Oak Canyon Nature Center (034)	●		●								●		●		●	●	●	●	●	●	●			●	●	●	●	●	●	●		●		●			●		●	●			●			●	●	●						
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Oakland Museum (035)			●					●			●			●		●	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●		●		●							●			●								●			
Old Mill Farm/School Country Living (035)		●		●	●		●	●	●	●			●	●		●	●	●			●	●		●											●																							
Orange County Dept of Education (035)											●		●	●		●				●													●		●						●				●									
Orange County Outdoor Science Sch (035)	●		●			●	●			●			●	●	●	●	●			●					●	●	●	●	●	●	●		●	●	●		●	●			●	●			●	●			●			●			
Outdoor Education Program (036)			●							●			●		●	●	●				●	●	●	●	●	●	●	●	●	●			●								●	●			●						●			
Pacific Energy & Resources Center (036)			●		●		●						●	●		●	●	●		●		●	●	●									●																							
John Panatier Nature Center (036)			●							●	●				●	●				●				●	●	●	●	●																									
Pathfinder Outdoor Science School (036)			●							●			●	●		●	●	●	●	●	●	●	●	●								●	●	●	●								●										●			
Placerita Canyon Nature Center (037)	●									●				●		●	●	●	●	●	●	●	●																						●										
Point Bonita Outdoor Ed & Conf Ctr (037)										●	●	●				●				●		●	●										●	●	●																	●			
Point Reyes Bird Observatory (037)	●		●										●	●		●	●	●	●			●		●																															
Point Reyes Env. Ed. - Clem Miller (037)				●	●		●			●			●	●		●	●	●	●	●	●	●	●	●		●		●	●	●	●	●			●			●		●	●															
Pomo Visitor Center, Army Corps (038)			●					●		●			●			●					●	●	●									●	●	●						●														
Rancho Los Alamitos (038)													●			●	●	●	●		●	●																																		
Rancho Santa Ana Botanic Garden (038)							●	●	●			●			●	●	●	●	●		●	●													●											●					●			●			
Randall Museum (039)	●		●								●			●	●	●	●			●	●	●	●			●				●				●							●														
Regional Learning Center (039)			●				●			●			●			●	●			●	●	●	●	●		●				●	●		●		●			●			●			●				●						
Richardson Bay Audubon Center-NAS (039)			●				●	●			●		●		●	●		●	●	●	●	●			●	●				●		●		●			●			●	●				●		●		●						
Louis Robidoux Nature Center (039)	●		●												●				●	●	●													●						●			●											
Rotary Natural Science Center (040)	●		●							●					●				●	●													●			●	●		●	●								●						
Sacramento Science Center (040)	●		●			●	●	●			●				●				●	●	●						●					●	●				●		●				●										

NAME (PAGE #)	Facilities										Setting			Staff		Audiences									Special Populations							Programs and Curricula																				Certification				
	captive wild animals	farm animals	exhibits	recycling center	solar energy construction	planetarium	library	bookstore	greenhouse	overnight lodging	urban	suburban	rural	college interns	multilingual staff	elementary	secondary	undergraduate	graduate	in-service teachers	youth groups	general public	conference groups	adult retreat	hearing impaired	educationally handicapped	vision impaired	mobility impaired	mentally handicapped	gifted and talented	multilingual	adventure education	environmental issues	animal rehabilitation	Project WILD	Earthkeepers	Sunship Earth	OBIS	NEED	Essence	Green Box	Project Learning Tree	REEP	STS	Ranger Rick	Class Project	Project Adventure	Living Lightly in City/Planet	Forest Ser. Proc. Approach	Audubon Adventures	Vol Teaching Children	ACA	AAM	Urban Wildlife Education	National Study Area	Ins. for Earth Ed Shar Ctr
CALIFORNIA (Continued)																																																								
Sacramento Zoological Society (040)	●		●								●			●	●	●	●	●	●	●	●	●			●		●								●			●				●			●	●				●						
San Diego Natural History Museum (040)	●		●				●	●			●				●	●	●	●	●	●	●	●	●				●						●		●			●							●								●			
San Francisco Bay Bird Observatory (041)							●															●											●	●																						
San Francisco Bay Natl Wildlife Ref (041)					●								●	●		●	●	●	●	●	●	●	●												●		●	●			●	●			●											
Santa Ana Zoo (041)	●	●	●					●			●				●	●	●	●		●	●	●							●		●		●	●	●			●				●			●			●		●						
Santa Barbara Mus. Natural History (041)			●			●	●	●				●				●	●	●			●	●	●									●	●												●											
Santa Cruz City Museum (041)			●					●			●					●						●																															●			
SCICON Program (042)			●		●	●	●						●	●		●						●	●	●		●	●	●	●				●	●	●			●			●	●			●	●			●			●				
Scripps Aquarium-Museum (042)	●		●					●				●			●	●	●	●	●	●	●	●											●																							
Shipley Nature Center (042)	●		●								●					●		●			●	●													●							●														
Slide Ranch (042)		●		●	●				●	●			●	●	●	●				●	●	●			●	●	●	●	●	●	●	●	●																							
Sly Park Environmental Educ Center (043)			●	●		●	●			●			●		●	●	●	●			●			●									●	●	●		●	●			●	●			●	●			●							
Success Lake, Army Corps (043)													●		●	●	●				●	●	●												●																					
Sulphur Creek Nature Center (043)	●		●									●				●					●												●																							
Sunol Regional Wilderness (043)			●					●					●			●	●	●			●	●											●		●			●			●	●			●					●						
Terwilliger Nature Education Ctr (044)			●				●					●				●				●		●				●	●	●			●		●																							
Tree People (044)		●	●	●									●	●	●	●						●																																		
Turtle Rock Nature Center (044)	●		●									●		●		●	●				●	●											●																							
U.C. Berkeley Botanic Garden (044)			●					●	●		●				●	●		●				●					●								●			●				●											●			
Venture West School Outdoor Living (045)										●				●		●	●				●												●		●			●			●	●														
Westminster Woods, Genesis Account (045)							●	●		●			●	●		●					●		●	●				●				●	●																							
Whittier Narrows Nat Ctr/Wild Sanct (045)	●		●				●	●				●				●	●	●	●		●	●	●	●						●			●	●	●										●					●						
Wilderness Transitions (045)																						●		●								●																								
Yosemite Institute (045)			●	●						●			●			●	●	●		●	●			●								●	●		●		●	●	●			●														
Young Naturalist Center (046)																																																								
Youth Science Institute (046)	●		●								●		●	●		●	●	●		●	●	●								●				●	●			●							●											
COLORADO																																																								
Alamosa-Monte Vista Nat'l Wildlife Ref (047)			●										●			●	●			●		●													●							●														
Balarat Outdoor Education Center (047)										●			●		●	●	●			●						●				●		●	●		●		●					●			●		●				●					
Bear Creek Nature Center (047)	●		●								●					●					●	●						●	●				●												●											
Theo L. Carson Nature Center (047)			●		●							●				●	●					●										●	●	●	●							●														
Chatfield State Rec. Area (048)												●				●	●					●						●					●		●							●														
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Colorado Outdoor Education Center (048)										●			●			●	●			●			●	●						●		●	●		●		●	●				●					●								●	
Denver Museum of Natural History (048)			●			●					●			●		●	●	●	●	●	●	●	●					●		●		●	●		●	●																	●			
Estes Park Center, YMCA - Rockies (048)				●			●			●			●	●	●	●	●			●	●	●	●	●								●	●		●	●	●	●				●			●		●									
Florissant Fossil Beds Nat'l Mon. (049)	●		●				●	●					●	●		●	●	●	●	●	●	●	●		●	●	●		●	●			●		●	●	●	●	●		●	●			●			●		●						
Foothills Nature Center (049)			●				●					●				●	●				●	●	●	●											●																					
Greenway & Nature Ctr of Pueblo (049)	●		●	●				●		●			●	●	●	●	●	●		●	●	●	●		●	●		●		●				●	●		●	●				●			●					●						
Jefferson Cty Open Space Nature Ctr. (049)	●		●				●						●			●	●	●	●	●	●	●			●	●				●		●	●		●			●				●			●					●					●	
Keystone Science School (050)										●			●	●		●	●	●	●	●	●	●	●	●						●		●	●		●		●	●				●			●		●		●							
John May Museum Center (050)			●					●		●			●	●		●	●	●		●	●	●	●	●									●																							
Mesa Verde National Park (050)			●				●	●		●			●			●	●	●	●			●																																		
Mountain Research Station (051)			●	●	●		●	●		●			●		●	●	●	●	●	●			●	●																																
Northern Colorado Nature Center (051)	●		●									●		●	●	●	●	●	●	●	●	●			●									●	●			●			●	●			●											
Outdoor Education Laboratory School (051)			●			●	●			●						●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		●	●	●							●			●				●	●						
Overland Trail Museum (051)			●										●			●						●																																		
Pingree Park Campus (052)			●				●			●			●			●	●	●	●	●	●	●	●	●								●	●		●																					
Rocky Mountain National Park (052)			●		●		●	●					●									●			●		●	●					●	●																						

	Facilities										Setting			Staff		Audiences									Special Populations							Programs and Curricula																				Certification				
NAME (PAGE #)	captive wild animals	farm animals	exhibits	recycling center	solar energy construction	planetarium	library	bookstore	greenhouse	overnight lodging	urban	suburban	rural	college interns	multilingual staff	elementary	secondary	undergraduate	graduate	in-service teachers	youth groups	general public	conference groups	adult retreat	hearing impaired	educationally handicapped	vision impaired	mobility impaired	mentally handicapped	gifted and talented	multilingual	adventure education	environmental issues	animal rehabilitation	Project WILD	Earthkeepers	Sunship Earth	OBIS	NEED	Essence	Green Box	Project Learning Tree	REEP	STS	Ranger Rick	Class Project	Project Adventure	Living Lightly in City/Planet	Forest Ser. Proc. Approach	Audubon Adventures	Vol. Teaching Children	ACA	AAM	Urban Wildlife Education	National Study Area	Ins. for Earth Ed. Sher. Cr.
COLORADO (Continued)																																																								
Science Discovery Program (052)			●			●					●			●		●				●										●		●			●			●				●														
South Platte Visitor Center (053)			●		●								●		●	●	●			●	●	●																																	
University of Colorado Museum (053)	●		●				●	●			●			●		●	●	●	●	●	●	●					●																										●			
CONNECTICUT																																																							
Bartlett Arboretum, Univ. of Conn. (055)							●					●		●		●		●	●		●	●																																	
Birdcraft Museum (055)								●				●				●	●	●			●	●																				●			●											
Brooksvale Recreation Park (055)		●		●								●	●			●	●	●			●	●																																	
Bruce Museum (055)			●									●				●	●					●																																	
Bushy Hill Nature Center (055)	●	●	●	●						●		●			●	●				●	●	●	●	●						●			●	●	●										●		●			●		●				
Camp Jewell YMCA Outdoor Ctr. (056)		●								●			●			●	●	●			●	●	●	●								●	●				●	●									●					●				
Darien Nature Center (056)	●		●									●		●		●	●			●	●	●								●				●	●			●				●			●					●						
Dinosaur State Park (056)			●					●	●			●				●	●	●	●		●	●																																	
Fairfield Nature Center (056)	●		●		●		●	●	●			●		●		●				●	●	●	●		●	●	●			●			●				●	●				●				●		●								
Holland Brook Nature Center (057)			●				●	●				●				●				●	●	●											●			●	●	●				●			●			●								
Hungerford Outdoor Education Center (057)	●	●	●		●			●				●			●	●	●	●	●	●	●	●				●			●	●	●			●	●		●	●				●			●			●					●			
Mystic Marinelife Aquarium (057)	●		●					●				●		●		●	●	●		●	●	●								●			●	●											●								●			
National Environ. Ed. Center (057)							●	●				●			●	●	●	●	●	●	●	●																																●	
Nature Center for Environ. Act. (057)	●		●				●	●	●			●		●		●	●	●	●	●	●	●				●		●	●	●			●	●	●			●				●			●	●				●			●			
New Canaan Nature Center (058)	●		●		●		●	●	●			●		●		●	●			●	●	●										●	●																							
New Pond Farm Education Center (058)		●								●			●	●		●	●			●	●	●												●	●		●	●							●											
Northeast Audubon Center (058)	●	●	●				●	●					●	●		●	●	●		●	●	●	●			●		●		●		●	●	●	●			●										●		●						
Eliot Pratt Education Center (058)		●											●			●	●				●	●																																●	
Roaring Brook Nature Center (059)	●		●					●				●		●		●	●				●	●											●	●								●				●										
Schooner, Inc. (059)			●				●				●			●		●	●			●	●	●		●						●			●																							
Science Museum of Connecticut (059)	●		●			●		●							●	●	●			●		●				●				●			●																			●			
Thames Science Center (059)	●		●				●	●	●			●		●		●	●	●		●	●	●	●			●			●	●		●	●																				●			
White Mem. Found & Conserv. Ctr (060)	●		●				●	●		●			●			●	●	●		●	●	●								●			●		●			●				●														
Woodcock Nature Center (060)								●				●		●		●	●				●	●										●		●																						
DELAWARE																																																							
Abbotts Mill Nature Center (061)			●										●			●	●	●	●	●	●	●	●			●			●	●		●	●																						
Ashland Nature Center (061)		●	●				●	●		●		●		●		●	●	●	●	●	●	●	●		●	●		●	●	●			●	●	●			●				●			●											
Seaside Nature Center (061)			●	●				●		●			●	●		●	●			●	●	●	●	●	●	●	●	●	●	●					●			●				●			●											
DISTRICT OF COLUMBIA																																																							
National Aquarium (063)			●								●				●	●	●	●		●	●				●	●				●			●		●																					
Oxon Hill Farm (063)		●									●					●	●				●	●			●	●	●		●	●																										
United States Botanic Gardens (063)											●																																												
United States National Arboretum (063)			●				●	●	●		●			●																																									

	Facilities										Setting			Staff		Audiences									Special Populations							Programs and Curricula																				Certification				
NAME (PAGE #)	captive wild animals	farm animals	exhibits	recycling center	solar energy construction	planetarium	library	bookstore	greenhouse	overnight lodging	urban	suburban	rural	college interns	multilingual staff	elementary	secondary	undergraduate	graduate	in-service teachers	youth groups	general public	conference groups	adult retreat	hearing impaired	educationally handicapped	vision impaired	mobility impaired	mentally handicapped	gifted and talented	multilingual	adventure education	environmental issues	animal rehabilitation	Project WILD	Earthkeepers	Sunship Earth	OBIS	NEED	Essence	Green Box	Project Learning Tree	REEP	STS	Ranger Rick	Class Project	Project Adventure	Living Lightly in City/Planet	Forest Ser. Proc. Approach	Audubon Adventures	Vol. Teaching Children	ACA	AAM	Urban Wildlife Education	National Study Area	Ins. for Earth Ed. Shar. Ctr
FLORIDA																																																								
Anderson Environ Education Center (065)	●		●								●					●	●			●	●	●			●	●	●	●	●	●			●																							
Bishop Planetarium/S. Florida Mus. (065)			●			●		●								●	●				●	●	●																																	
Bok Tower Gardens (065)			●					●	●				●	●	●	●	●	●				●	●																																	
Boyd Hill Nature Park (065)	●		●				●				●					●	●	●		●	●	●		●		●	●							●	●							●			●												
The Brevarde Museum Inc. (066)			●										●	●	●	●	●	●	●	●	●	●	●			●	●	●		●			●																				●			
Care & Rehabilitation of Wildlife (066)	●													●		●	●	●	●		●	●											●	●																						
Cary State Forest (066)													●			●						●																																	
Castellow Hammock Nature Center (066)	●		●										●			●	●	●	●			●				●				●		●		●											●					●						
Center for Environmental Education (066)	●		●								●					●	●	●		●	●		●		●	●	●	●	●	●	●		●		●	●	●					●		●	●				●							
The Conservancy, Inc. (067)	●		●	●							●			●		●	●			●	●	●											●		●																					
Corkscrew Swamp Sanctuary (067)			●					●					●	●		●	●	●	●	●	●	●	●										●		●															●						
Crowley Museum & Nature Ctr Inc. (067)							●						●			●	●	●	●	●	●	●	●			●		●	●																					●						
"Ding" Darling Nat'l Wildlife Ref. (067)			●					●			●					●	●	●		●	●	●													●																					
The Discovery Center (067)	●		●			●		●			●					●	●			●	●	●			●	●	●		●				●					●							●					●						
Energy Management Center (068)					●							●				●	●	●				●			●				●	●				●			●				●			●													
Environmental Learning Center (068)	●			●									●			●	●	●		●	●	●				●		●	●	●			●		●	●	●	●				●														
Environmental Resource Center (068)			●				●					●				●	●			●	●	●								●			●		●			●																		
Environmental Studies Center (069)	●		●				●					●				●	●	●	●	●	●	●													●							●														
Everglades National Park (069)								●					●			●	●			●		●			●	●				●					●	●	●	●	●		●	●					●								●	
Florida Audubon Society (069)	●		●	●				●			●			●		●	●	●	●	●	●	●	●	●									●	●	●							●								●	●					
Florida Div. of Forestry (069)										●			●	●		●	●			●			●												●							●			●											
Florida Museum of Natural History (070)			●					●			●			●		●	●	●	●	●	●	●	●	●	●		●						●	●											●								●			
Gillespie Museum of Minerals (070)												●																																											
Glades Herp (070)	●												●																																										
Gulf Islands National Seashore (070)			●					●				●	●			●	●	●	●		●	●						●																												
Gumbo Limbo Nature Center (070)			●				●	●				●		●		●	●	●	●	●	●	●				●			●	●			●		●							●			●					●						
Hidden Lake Interpretive Center (071)			●	●						●			●			●				●					●	●	●	●	●	●					●		●	●	●	●	●	●			●		●		●	●					●	
Highlands Hammock State Park (071)			●										●			●	●	●	●	●	●	●													●																					
Hobe Sound Nature Center Inc. (071)	●		●									●				●	●	●	●	●	●	●				●		●	●	●			●		●		●					●			●					●						
Homosassa Springs Park (071)	●		●										●		●	●	●	●	●	●	●	●	●		●	●	●	●	●	●			●	●																					
Marine Education Center (072)	●		●				●			●			●			●	●	●	●	●	●	●	●	●	●		●	●		●		●	●	●	●		●	●				●				●		●								
Marine Resources Dev. Found (072)			●							●		●			●	●	●	●	●	●	●		●										●																							
Marineland of Florida (072)			●							●			●			●	●	●	●	●	●	●	●	●										●																					
Miami Metrozoo (072)	●		●				●					●		●	●	●	●	●	●	●	●	●	●			●				●			●		●										●										
Miami Mus of Science Wildlife Ctr (073)	●		●			●						●		●	●	●	●	●		●	●	●	●		●	●	●	●	●	●	●		●	●																					
Moccasin Lake Nature Park (073)	●		●	●	●		●	●			●		●			●	●	●		●	●	●	●			●	●	●	●	●			●		●			●				●			●											
Morningside Nature Center (073)	●	●	●	●	●								●	●		●	●	●				●										●			●										●					●						
Mote Marine Science Aquarium (073)			●				●	●			●					●	●				●	●	●									●	●	●																					
Museum of Archaeology (074)											●				●	●						●									●																									
Museum of Arts & Science (074)			●			●						●				●	●	●	●		●	●																															●			
Museum of Science & Industry (074)			●					●	●			●			●	●	●			●	●	●																							●											
Myakka River State Park (074)			●							●			●	●		●	●	●	●		●	●	●			●				●		●	●		●															●						
Nature Ctr & Planetarium/Lee County (074)	●		●	●		●	●	●				●		●		●	●				●	●	●					●					●	●	●		●	●							●					●						
Nature's Classroom (075)	●	●	●				●					●				●									●	●	●	●	●				●	●																					
Newfound Harbor Marine Institute (075)	●		●				●	●		●			●	●		●	●	●	●	●	●		●	●		●				●		●	●		●		●	●				●					●					●				
Paynes Prairie State Preserve (075)			●										●			●	●	●	●	●	●	●		●						●		●	●		●		●					●					●			●	●					
Pine Jog Environmental Educ Center (075)							●					●				●	●			●	●	●	●							●			●			●																				●
Pine Log State Forest Environ Ctr (076)													●			●	●				●	●																																	
Science Center- Pinellas County Inc (076)	●		●			●						●				●	●			●	●	●				●		●	●	●		●																							
Seacamp (076)	●		●				●	●		●			●																			●	●		●		●					●										●				

NAME (PAGE #)	Facilities										Setting			Staff		Audiences									Special Populations							Programs and Curricula																				Certification				
	captive wild animals	farm animals	exhibits	recycling center	solar energy construction	planetarium	library	bookstore	greenhouse	overnight lodging	urban	suburban	rural	college interns	multilingual staff	elementary	secondary	undergraduate	graduate	in-service teachers	youth groups	general public	conference groups	adult retreat	hearing impaired	educationally handicapped	vision impaired	mobility impaired	mentally handicapped	gifted and talented	multilingual	adventure education	environmental issues	animal rehabilitation	Project WILD	Earthkeepers	Sunship Earth	OBIS	NEED	Essence	Green Box	Project Learning Tree	REEP	STS	Ranger Rick	Class Project	Project Adventure	Living Lightly in City/Planet	Forest Ser. Proc. Approach	Audubon Adventures	Vol. Teaching Children	ACA	AAM	Urban Wildlife Education	National Study Area	Ins. for Earth Ed. Sher. Cr
FLORIDA (Continued)																																																								
Secret Woods Nature Center (076)												●				●	●	●	●	●	●	●	●			●	●	●	●	●			●																							
Seminole County Environ Studies Ctr (077)			●									●	●			●	●	●		●	●	●	●			●		●		●			●	●	●			●				●			●											
Spanish Point (077)			●										●			●					●	●																															●			
St. Marks National Wildlife Refuge (077)			●					●					●			●	●	●	●	●	●	●	●	●									●		●										●					●						
Suncoast Seabird Sanctuary, Inc. (077)	●										●					●	●	●		●	●	●	●	●		●	●	●	●	●			●	●	●			●				●			●											
Tree Hill Nature Center (078)	●	●	●	●							●					●				●	●	●						●					●		●	●						●			●		●			●						
Upper Tampa Bay Park (078)	●		●													●	●				●	●	●										●		●										●					●						
Wildlife Rehabilitation Center (078)	●	●											●		●	●	●	●	●	●	●	●				●			●	●			●	●	●										●					●						
Wildlife Rescue & Sanctuary (078)	●	●											●			●	●	●	●	●	●	●	●		●	●	●	●	●	●	●		●	●	●															●						
Youth Museum of Charlotte County (079)			●										●		●	●	●			●	●	●										●	●												●					●						
GEORGIA																																																								
Autrey Mill Nature Preserve Assoc. (081)			●									●				●	●				●	●												●																						
Bradley Observ- Agnes Scott College (081)						●						●		●		●	●					●																																		
Camp Wahsega 4-H Center (081)										●			●	●		●	●			●	●		●			●				●		●			●			●				●				●	●	●	●							
Center for Science, Energy & Env Ed (081)													●			●	●	●	●	●													●		●			●	●			●		●	●			●								
Chattahoochee Nature Center (081)	●		●	●				●	●			●		●	●	●	●	●		●	●	●											●	●	●			●				●			●			●								
Cochran Mill Nature Ctr and Arbor (082)	●		●	●			●	●	●			●	●			●	●	●	●	●	●	●	●			●	●	●	●	●					●		●								●					●						
Callaway Gardens (082)								●	●	●			●	●		●	●	●		●	●	●	●												●							●			●											
Dauset Trails Nature Center (082)	●		●	●					●				●	●		●	●				●	●	●			●			●	●			●	●	●			●				●			●				●	●						
Elachee Nature Science Center (082)			●					●					●			●	●	●	●	●	●	●	●	●		●				●	●	●	●		●		●	●				●			●	●	●		●							
Fernbank Science Center (083)			●			●	●		●			●				●	●	●	●	●	●	●			●	●	●	●	●	●																										
Georgia State Mus- Science & Indust (083)			●													●	●	●	●	●	●	●																															●			
Georgia State Parks & Historic Site (083)			●	●						●	●	●	●	●		●	●			●	●	●	●	●					●				●		●		●	●				●			●		●									
Jekyll Island 4-H Center (083)										●		●				●	●			●	●		●			●				●		●			●												●		●							
Lanier Museum of Natural History (083)			●									●				●	●			●	●	●													●							●			●	●										
Museum of Arts & Sciences (084)	●		●			●						●		●		●	●	●			●	●	●							●				●	●										●								●			
Natural Science Rehabilitation Ctr (084)	●	●	●	●			●	●				●				●	●	●	●	●	●	●	●			●		●	●	●				●																						
Oatland Island Education Center (084)	●	●			●				●					●		●	●	●		●	●	●			●	●	●	●	●	●	●		●	●	●		●	●				●			●		●									
Ocmulgee National Monument (084)			●		●		●	●			●				●	●	●	●	●	●	●	●				●			●	●																										
Okefenokee National Wildlife Refuge (085)			●					●								●	●	●	●	●	●	●	●	●											●							●														
Panola Mountain State Conser. Park (085)	●		●													●	●	●	●	●	●	●													●			●				●														
Piedmont National Wildlife Refuge (085)			●										●		●	●	●	●	●	●	●	●	●										●		●							●							●							
W. H. Reynolds Memorial Nature Pres (086)	●		●													●	●				●	●					●							●	●																					
Rock Eagle 4-H Center (086)	●				●					●			●	●	●	●	●			●	●		●			●				●		●			●		●	●				●				●	●	●	●							
Sandy Creek Nature Center (086)	●		●									●				●	●			●	●	●			●	●	●	●	●	●			●		●		●	●							●	●										
Savannah Science Museum (086)	●		●			●	●		●		●			●		●	●			●	●	●	●			●	●	●	●					●																						
Southface Energy Institute (087)				●	●	●			●		●			●			●	●	●	●	●	●											●																							
Spalding Nature Center (087)	●		●									●		●		●					●	●			●		●		●						●										●					●						
Tybee Island 4-H Center (087)										●		●		●		●	●			●	●		●			●				●		●			●												●		●							
Univ of Georgia Marine Exten Serv (087)	●		●							●			●	●		●	●	●	●	●	●	●	●	●			●		●	●			●																							
Wilderness Southeast Inc. (087)														●	●	●	●	●	●		●	●										●	●		●																					
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Haleakala National Park (089)			●					●								●	●	●		●	●	●											●																							
Hawaii Nature Center (089)	●		●				●				●		●	●		●		●	●	●	●	●				●			●	●	●				●			●				●			●			●								
Hawaii Volcanoes National Park (089)			●					●		●			●		●	●	●	●		●	●	●	●																																	
Hui-O-Laka - Kokee Museum (089)			●					●		●			●			●	●				●	●											●																							
Harold L. Lyon Arboretum - UH Manoa (090)			●					●	●				●		●	●	●	●	●	●	●	●	●							●																										
Waikiki Aquarium (090)	●		●				●	●						●	●	●	●	●	●	●	●	●				●					●	●	●	●																						
Waimea Falls Park (090)	●						●	●	●				●		●	●	●	●	●	●	●	●	●	●	●	●	●		●	●	●	●	●																							

NAME (PAGE #)	Facilities										Setting			Staff		Audiences									Special Populations							Programs and Curricula																				Certification				
	captive wild animals	farm animals	exhibits	recycling center	solar energy construction	planetarium	library	bookstore	greenhouse	overnight lodging	urban	suburban	rural	college interns	multilingual staff	elementary	secondary	undergraduate	graduate	in-service teachers	youth groups	general public	conference groups	adult retreat	hearing impaired	educationally handicapped	vision impaired	mobility impaired	mentally handicapped	gifted and talented	multilingual	adventure education	environmental issues	animal rehabilitation	Project WILD	Earthkeepers	Sunship Earth	OBIS	NEED	Essence	Green Box	Project Learning Tree	REEP	STS	Ranger Rick	Class Project	Project Adventure	Living Lightly in City/Planet	Forest Ser. Proc. Approach	Audubon Adventures	Vol. Teaching Children	ACA	AAM	Urban Wildlife Education	National Study Area	Ins. for Earth Ed Sher. Ctr
IDAHO																																																								
Craters of the Moon National Mon. (091)			●		●			●					●			●	●	●	●	●	●	●											●		●																					
Deer Flat National Wildlife Refuge (091)			●										●			●	●	●	●	●	●	●	●	●											●			●																		
Dworshak Project Visitor's Center (091)			●							●			●			●	●	●	●			●									●																									
Farragut State Park (091)			●		●								●			●	●				●	●		●																																
Idaho Museum of Natural History (091)			●								●					●	●	●		●	●	●													●			●				●			●											
Mud Lake Wildlife Mgt Area (092)													●			●	●				●	●																																	
Priest Lake State Park (092)			●	●									●			●	●				●	●													●							●													
Three Island State Park (092)		●	●																																																			
ILLINOIS																																																								
Aldeen Environmental Education Ctr. (093)			●								●					●																			●							●													
Cabin Nature Program Center (093)	●		●				●					●		●	●	●	●	●		●	●	●	●		●	●	●	●	●	●	●	●		●	●	●						●			●		●									
Camp Sagawau - Cook Co. For. Pres. (093)													●					●	●	●		●											●																						
Camp Shaw-Waw-Nas-See (093)		●								●			●	●		●	●	●	●	●	●	●	●	●								●			●	●	●	●				●										●				
Camp Tuckabatchee Inc. (093)										●			●			●	●				●	●	●									●			●							●										●				
Center for American Archeology (094)			●				●						●			●	●	●	●	●	●	●	●	●						●																										
Champaign County Forest Preserve (094)			●				●	●	●	●			●			●	●					●																															●			
Chicago Academy of Sciences (094)			●					●			●					●	●			●	●	●	●							●			●		●							●			●	●							●			
Chicago Botanic Garden (094)			●				●	●	●			●		●		●	●		●	●	●	●											●		●		●	●	●			●		●		●		●					●			
Crabtree Nature Center (094)			●										●			●	●	●		●	●	●													●														●							
Dickson Mounds Museum (095)			●					●					●			●	●	●	●		●	●	●	●		●			●	●			●																				●			
Elgin Public Museum (095)	●	●	●									●		●		●	●			●	●	●				●																			●								●			
Evanston Environmental Assoc (095)					●		●	●	●		●					●	●				●	●													●			●	●			●			●			●								
Fullersburg Nature Center (095)			●									●				●	●				●	●													●							●			●											
Goose Lk Prairie State Natural Area (096)			●										●			●	●	●	●			●																																
Iron Oaks Environmental Learn Ctr. (096)												●		●		●	●	●	●	●	●	●	●		●	●	●	●	●			●	●		●		●	●	●			●			●			●								
Isle a la Cache Museum (096)												●				●	●				●	●																																
Kendall County Outdoor Educ. Center (096)													●			●																	●	●	●			●				●			●											
Kennekuk County Park/Nature Center (096)	●		●										●	●		●	●			●	●	●			●									●																						
Lincoln Memorial Garden/ Nature Ctr (097)	●		●	●								●		●		●	●	●	●	●	●	●	●	●									●		●	●						●				●										
Lorado Taft Field Campus - NIU (097)				●			●			●			●	●		●	●	●	●	●	●		●	●								●			●			●		●	●	●					●	●								
McHenry County Conservation Dist. (097)	●	●										●		●		●	●			●	●	●												●	●			●				●			●											
Mississippi River Visitor Center (098)			●								●			●		●	●				●	●													●										●											
North Park Village Nature Center (098)	●		●	●							●			●		●	●	●	●	●	●	●											●		●	●						●			●			●		●						
Oak Park Conservatory (098)			●						●		●					●	●					●				●			●																											
Oakdale Nature Preserve (098)			●				●			●			●	●		●	●	●	●	●	●	●	●	●								●				●	●										●									
Pilcher Park Nature Center (098)			●						●		●																																											
Plum Creek Nature Center (099)							●					●				●	●				●	●											●																						
Anita Purves Nature Center (099)	●		●		●		●	●			●			●		●	●	●	●	●	●	●	●	●	●	●						●	●	●	●		●	●	●			●	●		●	●	●	●		●						
Red Oak Nature Center (099)	●		●									●				●	●				●	●													●																				
Red Schoolhouse Nature Center (099)	●		●						●				●	●		●	●	●				●												●																					
River Trail Nature Center (100)	●		●									●		●		●	●	●	●	●	●	●	●											●	●			●																	
Riverwoods Christian Center (100)										●		●		●																																						●				
Rock Springs Ctr- Environ Discovery (100)	●		●				●	●				●		●		●	●	●	●	●	●	●	●			●	●		●			●	●	●	●		●	●	●			●			●			●		●						
Edward L. Ryerson Conservation Area (100)		●	●				●					●		●		●	●	●	●	●	●	●				●							●		●			●				●			●			●								
Sand Ridge Nature Center (101)	●		●								●	●		●		●	●			●	●	●											●																						
School District 54 Nature Center (101)			●	●			●	●	●			●				●						●											●		●			●	●		●	●			●											
Severson Dells Environ Educ Center (101)			●				●	●					●	●		●				●	●	●													●										●											
John G. Shedd Aquarium (101)	●						●	●			●			●		●	●	●	●	●	●	●			●	●	●	●	●	●			●		●							●			●											
Spring Brook Nature Center (102)	●		●									●				●					●	●													●							●			●											

	Facilities										Setting			Staff		Audiences									Special Populations							Programs and Curricula																				Certification				
NAME (PAGE #)	captive wild animals	farm animals	exhibits	recycling center	solar energy construction	planetarium	library	bookstore	greenhouse	overnight lodging	urban	suburban	rural	college interns	multilingual staff	elementary	secondary	undergraduate	graduate	in-service teachers	youth groups	general public	conference groups	adult retreat	hearing impaired	educationally handicapped	vision impaired	mobility impaired	mentally handicapped	gifted and talented	multilingual	adventure education	environmental issues	animal rehabilitation	Project WILD	Earthkeepers	Sunship Earth	OBIS	NEED	Essence	Green Box	Project Learning Tree	REEP	STS	Ranger Rick	Class Project	Project Adventure	Living Lightly in City/Planet	Forest Ser. Proc. Approach	Audubon Adventures	Vol. Teaching Children	ACA	AAM	Urban Wildlife Education	National Study Area	Ins. for Earth Ed. Sher. Ctr
ILLINOIS (Continued)																																																								
Spring Valley Nature Sanctuary (102)			●		●		●		●			●				●				●	●	●																●							●											
Alexander Stillman Nature Center (102)												●				●					●	●													●			●				●														
U. of Illinois Mus Natural History (102)			●									●				●	●	●	●	●		●																																		
Vermilion County Conservation (103)			●	●			●	●	●				●	●		●	●			●	●	●			●			●	●			●	●																							
Washington Park Botanical Garden (103)									●		●					●	●				●	●	●				●																												
White Pines Ranch Outdoor Educ Ctr (103)		●								●			●			●				●													●		●			●				●										●				
Wildlife Prairie Park (103)	●		●		●					●			●	●	●	●	●				●	●	●	●									●	●																						
Willowbrook Wildlife Haven (104)	●		●									●		●		●					●	●												●	●	●	●																			
Winn-Boone Forest Preserve (104)			●										●			●	●					●				●			●	●			●		●							●			●	●		●								
INDIANA																																																							
Asherwood Environ Learning Center (105)		●	●				●						●			●	●	●		●	●	●	●	●	●	●	●	●	●	●			●	●															●							
Bendix Woods (105)	●		●					●					●			●	●	●	●	●	●	●																																		
Bradford Woods Outdoor Center (105)			●	●			●	●		●			●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		●	●		●		●	●				●			●		●					●				
Camp Tecumseh - YMCA (106)		●								●			●			●	●	●			●	●	●	●																															
The Children's Museum-Indianapolis (106)			●								●					●	●	●	●	●	●	●	●							●					●	●						●			●			●					●			
Christy Woods (106)			●						●		●			●		●	●	●	●	●	●	●	●										●									●														
Clifty Falls Nature Center (106)			●							●			●			●	●	●		●	●	●	●												●							●														
Eagle Creek Nature Center and Arb (107)	●		●				●	●								●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●			●				●			●				●	●						
Fox Island County Park & Preserve (107)			●									●				●	●	●	●	●	●	●				●	●	●							●			●				●			●											
Mary Gray Bird Sanctuary (107)			●				●	●					●			●	●	●		●	●	●	●	●																															
Huntington College (107)							●	●			●		●			●	●	●		●	●	●	●	●									●		●	●							●														
Indianapolis FFA Foundation (108)										●			●			●	●				●	●	●	●											●			●				●			●											
Hannah Lindahl Children's Museum (108)																●					●	●																																		
Lindenwood Park (108)											●				●	●						●										●		●	●			●				●			●					●						
Merry Lea Environ. Learning Center (108)			●				●						●	●		●	●	●		●		●																																	
Miami County Museum (108)			●					●								●	●				●	●																																	
Mounds State Park (109)			●							●						●	●	●			●	●				●	●			●					●							●														
Muscatatuck Nat'l Wildlife Refuge (109)			●										●			●	●	●		●	●	●												●	●			●																		
Patoka Lake Visitor Center (109)	●		●		●								●	●																																									
Pokagon State Park Nature Center (109)	●		●							●			●			●	●	●	●	●	●	●	●	●	●	●		●	●	●			●		●							●			●											
Potato Creek State Park Nature Ctr (110)			●							●			●			●	●	●	●	●	●	●	●			●			●	●			●		●			●				●			●											
Rum Village Nature Center (110)			●								●					●	●	●			●	●	●				●	●		●					●			●				●			●					●						
Starve Hollow (110)	●		●							●			●	●		●		●														●	●	●	●							●														
Turkey Run State Park (110)	●		●			●	●			●			●			●	●				●	●	●	●											●							●														
Wesselman Park Nature Center (111)	●		●	●			●	●			●	●				●	●	●	●	●	●	●	●				●	●	●	●			●		●							●			●					●						
Wyandotte Caves SRA (111)			●										●	●		●	●	●			●	●								●		●			●							●			●				●						●	
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Conservation Education Center (113)			●				●			●			●	●		●	●	●	●	●	●	●	●	●								●	●	●	●			●			●	●			●	●							●				
Coralville Lake, Corps of Engineers (113)			●										●	●		●	●				●	●						●	●																											
Delaware Co. Conservation (113)			●										●			●	●				●	●	●											●	●							●														
DeSoto National Wildlife Refuge (113)			●				●	●					●			●	●	●	●	●	●	●	●										●		●			●	●			●				●										
Eagle Point Nature Society (114)	●	●	●										●	●		●	●			●	●	●	●			●		●	●	●		●	●		●		●	●				●			●	●										
Eden Valley Nature Center (114)			●							●			●			●	●				●	●											●		●							●			●											
Forest Park Museum (114)			●									●				●	●				●	●	●																																
Gilbertson Conservation Educ Area (114)		●	●										●			●	●			●	●	●											●	●	●		●	●							●											
Hartman Reserve Nature Center (114)			●				●				●	●		●		●				●	●	●								●					●			●				●			●	●	●							●		
Indian Creek Nature Center (115)			●					●					●	●		●	●			●		●											●		●		●	●							●				●							
Iowa 4-H Camping Center (115)		●	●		●					●			●	●		●	●	●		●	●	●	●	●				●		●		●			●			●				●					●					●				

NAME (PAGE #)	Facilities										Setting			Staff		Audiences									Special Populations							Programs and Curricula																				Certification				
	captive wild animals	farm animals	exhibits	recycling center	solar energy construction	planetarium	library	bookstore	greenhouse	overnight lodging	urban	suburban	rural	college interns	multilingual staff	elementary	secondary	undergraduate	graduate	in-service teachers	youth groups	general public	conference groups	adult retreat	hearing impaired	educationally handicapped	vision impaired	mobility impaired	mentally handicapped	gifted and talented	multilingual	adventure education	environmental issues	animal rehabilitation	Project WILD	Earthkeepers	Sunship Earth	OBIS	NEED	Essence	Green Box	Project Learning Tree	REEP	STS	Ranger Rick	Class Project	Project Adventure	Living Lightly in City/Planet	Forest Ser. Proc. Approach	Audubon Adventures	Vol. Teaching Children	ACA	AAM	Urban Wildlife Education	National Study Area	Ins. for Earth Ed. Shar. Cr
IOWA (Continued)																																																								
Jackson County Conservation Board (115)													●	●		●	●			●	●	●											●		●			●				●			●											
Jasper County Conservation Board (115)	●												●		●	●	●	●	●	●	●	●	●	●		●			●	●		●	●	●	●			●							●											
Kossuth County Conservation Board (116)			●										●	●		●	●				●	●							●				●		●			●				●			●	●										
Lake Meyer Nature Center (116)	●		●										●			●	●	●			●	●											●																							
Lime Creek Nature Center (116)			●		●		●						●			●	●	●		●	●	●	●										●	●	●							●			●											
Littlefield Recreation Area (116)	●												●			●	●				●	●											●		●																					
Mines of Spain-E.B. Lyons Nature Ctr (117)			●				●						●	●		●	●				●	●													●			●				●			●											
Oakland Mills Nature Center (117)			●										●	●		●	●	●	●	●	●	●				●			●				●																							
Osborne Visitor Welcome & Nat. Ctr (117)	●		●		●								●	●		●	●	●	●	●	●	●	●										●	●																						
Project ECO-Ames Schools (117)													●	●		●	●	●	●		●	●			●	●		●	●	●	●				●	●	●	●				●				●		●		●						
Putnam Museum (118)			●					●			●			●		●	●	●	●	●	●	●	●				●	●							●			●				●											●			
Rathbun Project Office, Army Corps (118)			●							●			●																																											
Sac County Conservation Board (118)													●	●		●	●				●	●	●										●		●										●											
Sanford Museum and Planetarium (118)			●			●					●					●	●				●	●																																		
Saulsbury Bridge Recreation Area (118)	●		●										●			●	●				●	●		●									●		●										●											
Science Center of Iowa (119)	●		●			●					●					●	●	●	●	●	●	●	●	●	●	●	●	●	●	●			●																				●			
Starr's Cave Nature Center (119)	●		●				●							●		●	●			●	●	●	●			●		●	●	●		●	●		●							●		●	●											
Swiss Valley Nature Center (119)	●		●										●	●		●	●	●		●	●	●	●			●				●				●	●													●								
Upper Mississippi River-Nat'l Refg (119)			●										●			●	●					●																																		
Wildwood Nature Center (120)	●		●										●			●	●	●		●	●	●											●	●	●		●	●							●											
KANSAS																																																								
Chaplin Nature Center (121)							●	●					●			●	●	●	●	●	●	●	●											●			●					●			●					●						
Dillon Nature Center (121)	●		●	●			●	●				●		●	●	●	●	●	●	●	●	●	●		●	●	●		●	●			●	●																						
Flint Hills Nat'l Wildlife Refuge (121)			●										●			●	●				●	●													●																					
Kansas Cosmosphere & Space Center (121)			●			●		●			●			●		●	●	●	●	●	●	●	●							●																										
Kirwin National Wildlife Refuge (122)			●										●	●		●	●	●	●		●	●													●																					
Melvern Lake - U.S. Army Corps (122)			●										●									●																																		
Sunset Zoological Park (122)	●	●	●				●					●		●		●	●	●	●	●	●	●	●			●		●	●				●		●										●											
Univ Kansas Museum Nat. History (122)	●		●					●							●	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●				●			●							●				●							
Wichita Wild (123)	●										●					●	●	●	●	●	●	●						●						●	●	●	●	●				●			●					●						
Wildwood Outdoor Education Center (123)			●				●			●			●	●		●	●			●	●		●	●			●	●		●		●			●			●				●					●									
Wilson Lake Project Office (123)			●										●			●	●					●																																		
KENTUCKY																																																								
Bernheim Foundation (125)	●		●										●	●		●	●	●	●		●	●							●						●							●														
Blackacre Nature Preserve (125)		●			●								●		●	●	●	●	●	●						●	●	●	●	●					●			●				●									●					
Buckley Wildlife Sanctuary (125)			●					●					●	●		●	●	●		●	●	●	●	●									●		●		●	●				●			●	●		●								
Cave Run Lake, Army Corps (125)													●	●	●	●	●				●	●																																		
Fort Campbell Nature Center (126)	●		●						●				●			●	●	●	●	●	●	●	●									●			●			●				●			●											
Hardin Planetarium (126)			●			●		●			●					●	●	●	●	●	●	●				●		●	●	●			●																							
Land Between the Lakes (126)	●	●	●			●			●	●			●	●		●	●	●	●	●	●	●	●	●	●		●	●	●	●		●	●	●	●		●	●	●			●														
Lilley Cornett Woods (126)			●										●	●		●	●	●	●	●	●	●																																		
The Living Arts Science Center (126)			●								●					●	●			●	●	●	●			●		●	●						●			●				●			●											
Maywoods Environ and Educ Lab (127)			●							●			●			●	●	●	●	●	●	●	●	●						●			●		●			●				●				●										
Nature and Conservation Center (127)											●					●	●	●	●	●	●	●	●										●		●		●	●		●	●	●			●	●				●						
Owensboro Area Museum (127)	●					●	●				●			●		●	●				●	●	●		●	●	●	●	●	●				●	●																					
Pennyrile Forest State Resort Park (127)										●			●			●	●	●		●	●	●	●	●								●																								
Pine Mountain Settlement School (128)		●	●				●	●		●			●	●		●	●	●	●	●	●	●	●	●		●			●	●					●							●			●											
Spencer Morton Preserve (128)													●			●	●	●	●			●																																		
Wickliffe Mounds Research Center (128)			●										●	●		●	●	●	●		●	●																																		

	Facilities										Setting			Staff		Audiences									Special Populations							Programs and Curricula																				Certification				
NAME (PAGE #)	captive wild animals	farm animals	exhibits	recycling center	solar energy construction	planetarium	library	bookstore	greenhouse	overnight lodging	urban	suburban	rural	college interns	multilingual staff	elementary	secondary	undergraduate	graduate	in-service teachers	youth groups	general public	conference groups	adult retreat	hearing impaired	educationally handicapped	vision impaired	mobility impaired	mentally handicapped	gifted and talented	multilingual	adventure education	environmental issues	animal rehabilitation	Project WILD	Earthkeepers	Sunship Earth	OBIS	NEED	Essence	Green Box	Project Learning Tree	REEP	STS	Ranger Rick	Class Project	Project Adventure	Living Lightly in City/Planet	Forest Ser. Proc. Approach	Audubon Adventures	Vol. Teaching Children	ACA	AAM	Urban Wildlife Education	National Study Area	Ins. for Earth Ed. Sher. Ctr
LOUISIANA																																																								
Walter B. Jacobs Memorial Nature Pk. (129)	●		●										●			●	●	●	●	●	●	●		●									●	●	●			●				●														
Lafayette Natural History Museum (129)			●			●		●				●			●	●	●	●		●	●	●											●	●	●	●	●					●			●			●								
Louisiana Nature & Science Center (129)	●		●	●		●	●	●	●			●			●	●	●	●	●	●	●	●	●	●								●	●	●	●		●	●				●			●	●		●		●	●					
Museum of Natural Science (129)			●								●			●	●	●	●	●	●	●	●	●											●					●																		
MAINE																																																								
Aquarium Maine Marine Resources (131)			●				●						●			●	●				●	●																																		
Chewonki Foundation (131)	●	●		●	●		●		●	●			●	●		●	●	●			●		●	●						●		●	●		●	●	●	●				●			●		●			●		●				
Children's Museum of Maine (131)			●					●				●		●		●					●	●													●										●		●			●						
Maine Audubon Society (131)			●		●		●	●				●		●		●	●		●	●	●	●	●	●									●		●			●				●		●	●	●				●						
Maine Conservation School (132)			●				●			●			●	●		●	●	●	●	●	●	●	●	●						●		●	●		●			●	●			●			●	●	●		●							
Mt. Desert Oceanarium (132)			●										●	●		●	●	●	●	●	●	●											●																						
Petit Manan Nat'l Wildlife Refuge (132)													●			●	●			●	●	●											●		●										●										
Stone Environ Schools - Bridgton (132)							●			●			●	●		●																●	●		●							●				●										
Stone Environ Schools - Ocean Park (133)			●				●			●				●		●																●	●		●							●				●										
MARYLAND																																																							
30th Street Nature Center (135)	●		●				●				●					●	●				●	●				●			●				●	●	●							●			●											
Arlington Echo Outdoor Educ Center (135)			●	●			●			●	●					●	●	●	●	●					●	●	●	●	●	●			●		●			●	●			●	●		●	●	●									
Assateague Island National Seashore (135)			●					●					●	●		●	●	●	●		●	●	●		●		●					●	●																						
Audubon Naturalist Society (135)			●					●	●			●		●																																									
Battle Creek Nature Center (136)			●				●	●					●			●	●			●	●	●							●	●					●			●				●			●	●									
Blackwater National Wildlife Refuge (136)			●					●					●			●	●	●	●	●	●	●					●						●		●			●																●		
Brookside Nature Center (136)	●						●					●				●	●				●	●	●									●	●		●			●							●										
Calvert Marine Museum (136)	●		●				●	●					●			●	●			●	●	●	●																					●								●			
Camp Wright (137)																●	●				●	●		●																															
Carrie Murray Outdoor Educ Campus (137)	●		●								●					●	●	●			●	●				●	●	●	●			●	●	●	●			●				●			●	●	●	●								
Chesapeake Indian Lifeways Center (137)			●										●			●	●	●		●	●	●								●																									
Clearwater Nature Center (137)	●		●	●			●		●			●			●	●	●				●	●	●					●	●	●				●	●										●											
Cylburn Arboretum (138)			●								●					●	●					●																																	
Fairview Outdoor Education Center (138)			●							●			●			●	●			●	●	●										●			●			●								●										
Gambrill State Park (138)	●		●									●		●		●	●				●	●	●					●																											
Genessee Valley Outdoor Learn Ctr (138)		●	●				●						●	●		●	●	●		●	●	●				●						●			●		●	●				●					●									
Hard Bargain Farm Environmental Ctr (138)		●								●			●			●	●			●	●	●	●	●	●			●	●				●		●			●				●								●						
Hashawha Environmental Center (139)	●		●		●					●			●			●	●			●	●	●	●	●					●	●		●	●	●	●		●					●							●							
Hawk's Reach Nature Center (139)	●											●	●			●	●	●			●	●						●				●	●		●										●										
Irvine Natural Science Center (139)	●		●				●	●	●			●		●		●	●	●		●	●	●											●		●			●				●			●					●						
Maydale Nature Center (139)	●		●	●			●					●				●	●	●		●	●	●	●	●				●					●		●										●										
Meyer Station (140)													●			●	●	●		●	●	●													●		●					●														
National Aquarium in Baltimore (140)	●		●					●			●			●	●	●	●	●		●		●								●			●		●			●															●			
Old Maryland Farm (140)		●	●	●	●				●				●	●	●	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●		●																							
Patuxent River Park (140)													●			●	●	●			●	●				●		●	●	●																									
Piney Run Nature Center (141)	●		●				●	●					●		●	●	●			●	●	●		●	●	●				●			●		●			●				●														
Region Ctr./Natural Science Learning (141)			●										●			●	●			●	●	●	●							●		●	●		●							●			●			●								
Smithsonian Environ Research Center (141)							●						●			●	●		●	●	●	●	●							●			●		●										●										
Helen Avalynne Tawes Garden (141)			●								●					●	●				●	●						●					●					●							●					●						
Watkins Nat Ctr/Old Maryland Farm (142)	●	●	●						●			●		●		●	●			●	●	●	●			●			●				●																							
Wildfowl Trust of North America (142)	●		●					●					●			●	●	●	●		●	●								●					●							●			●											

NAME (PAGE #)	Facilities										Setting			Staff		Audiences									Special Populations							Programs and Curricula																				Certification				
	captive wild animals	farm animals	exhibits	recycling center	solar energy construction	planetarium	library	bookstore	greenhouse	overnight lodging	urban	suburban	rural	college interns	multilingual staff	elementary	secondary	undergraduate	graduate	in service teachers	youth groups	general public	conference groups	adult retreat	hearing impaired	educationally handicapped	vision impaired	mobility impaired	mentally handicapped	gifted and talented	multilingual	adventure education	environmental issues	animal rehabilitation	Project WILD	Earthkeepers	Sunship Earth	OBIS	NEED	Essence	Green Box	Project Learning Tree	REEP	STS	Ranger Rick	Class Project	Project Adventure	Living Lightly in City/Planet	Forest Ser. Proc. Approach	Audubon Adventures	Vol Teaching Chatgn	ACA	AAM	Urban Wildlife Education	National Study Area	Ins. for Earth Ed. Shw. Ctr
MASSACHUSETTS																																																								
Berkshire Garden Center (143)			●		●		●	●	●				●	●		●	●	●				●							●																												
Berkshire Museum (143)	●		●								●			●		●	●	●		●	●	●						●	●	●			●		●							●			●											
Berkshire Wildlife Sanctuaries (143)			●				●	●					●			●		●			●	●										●	●		●			●				●			●											
Blue Hills Trailside Museum (143)	●		●					●		●		●		●		●	●			●	●	●	●	●		●			●	●			●	●	●	●		●				●			●										●	
Broadmoor Wildlife Sanctuary (144)					●			●				●				●	●	●	●	●	●	●	●	●									●																						
Buck Hill Conservation Center (144)							●						●			●	●				●	●											●		●							●														
Cape Cod Museum Natural History (144)			●				●	●					●	●		●	●	●	●	●	●	●	●	●								●	●	●	●			●	●			●			●	●										
Cape Cod National Seashore (144)			●					●		●		●	●		●	●	●	●	●	●	●			●	●	●	●	●	●	●			●					●	●		●	●			●				●	●					●	
Cape Outdoor Discovery (145)										●			●			●	●				●					●			●			●	●		●																					
Fisher Museum at Harvard Forest (145)			●										●			●	●	●	●	●	●	●	●										●																						
Garden in the Woods (145)			●				●	●					●			●	●	●			●	●																						●											
Green Briar Nature Center (145)			●		●		●	●					●	●		●	●		●	●	●	●				●		●	●				●		●			●				●			●	●									
Hale Reservation (146)												●		●		●	●	●		●	●	●		●		●			●			●						●							●		●					●				
Hitchcock Ctr for the Environment (146)			●		●		●	●				●		●	●	●		●	●	●	●	●			●			●		●	●		●		●	●	●	●	●	●	●	●			●			●		●						
Hopkins Forest Ctr for Environ Stud (146)		●	●										●	●		●	●	●				●																																	
Horizons for Youth (146)	●			●	●				●	●		●				●	●	●		●	●		●	●								●	●	●	●							●			●							●				
Ipswich River Wildlife Sanctuary (147)							●			●			●			●	●			●	●	●											●		●			●				●			●		●								
Laughing Brook Ed Ctr/Wildlife Sanc (147)	●		●					●	●				●	●		●				●	●	●													●			●				●			●											
Manomet Bird Observatory (147)			●				●						●	●	●	●	●	●	●	●		●																																	
Massachusetts Audubon Society (147)		●	●		●																																																		
Maria Mitchell Science Center (148)	●		●				●					●	●	●		●	●		●		●	●												●																					
Nature's Classroom Inc. (148)		●	●				●			●			●			●					●	●	●	●						●		●	●	●	●		●	●	●			●		●			●									
N.E.E.D. Collaborative (148)										●			●			●																	●		●										●											
New Alchemy Institute (148)			●		●			●	●				●	●		●	●	●	●	●	●	●	●										●		●	●	●					●			●					●						
New England Aquarium (149)	●		●				●				●			●		●	●	●		●	●	●											●																			●			
New England Science Center (149)	●		●			●		●					●			●	●	●	●	●	●	●	●	●						●			●	●																					
Northfield Mountain Rec/Envion Ctr (149)			●				●						●			●	●	●		●	●	●	●									●			●		●	●				●					●									
Quabbin Reservoir (149)			●									●				●	●	●	●	●	●	●	●												●							●														
South Shore Natural Science Center (150)	●		●									●		●		●	●			●	●	●				●	●	●	●				●																						
Springfield Science Museum (150)			●			●		●			●			●		●	●	●	●	●	●	●	●										●												●					●			●			
Stone Environmental Schools- Groton (150)			●	●						●			●	●	●	●					●		●			●	●	●	●	●			●			●	●					●			●	●	●									
Tower Hill Botanic Garden (150)							●						●	●		●	●	●		●	●	●		●																		●														
Trustees of Reservations (151)			●									●	●			●	●		●			●																																	
Wellfleet Bay Wildlife Sanctuary (151)								●					●	●		●	●	●			●	●											●																						
MICHIGAN																																																								
Blandford Nature Center (153)	●	●	●									●				●	●	●	●	●	●	●	●	●		●	●	●	●	●	●			●																			●			
Camp Ohiyesa - YMCA (153)	●	●								●			●			●	●				●	●	●	●					●									●							●							●				
Chippewa Nature Center Inc. (153)		●	●		●		●	●					●			●	●	●		●	●	●				●		●	●	●			●		●			●				●			●		●								●	
Howard Christensen Nature Center (154)			●	●	●		●						●			●	●	●		●	●	●	●			●			●	●			●		●			●				●			●	●		●								
Cranbrook Institute of Science (154)	●		●			●	●	●				●				●	●	●		●	●	●	●		●		●	●	●																							●			
Dahlem Environmental Education Ctr (154)			●					●					●	●		●				●	●	●											●		●		●	●			●	●			●											
DeGraaf Nature Center (155)			●		●			●				●		●		●	●	●		●		●			●	●		●	●	●															●											
Detroit Zoo (155)	●	●	●									●				●	●	●	●	●	●	●	●		●	●				●																●									
Dinosaur Hill Nature Preserve (155)			●									●		●		●	●	●		●	●	●			●	●	●		●	●	●		●					●				●			●											
Eaton County Parks & Rec. (155)			●											●		●	●				●	●											●																						
Ebersole Environ Educ & Conf Center (156)										●			●		●	●	●					●	●									●						●				●														
Gerald E. Eddy Geology Center (156)			●				●	●		●			●			●	●	●	●		●	●	●	●						●		●										●			●					●						
Exhibit Museum, Univ of Michigan (156)			●			●	●	●			●					●	●	●	●	●	●	●	●				●	●					●																						
Farm Center, Huron-Clinton Metropk (157)		●	●										●			●	●				●	●																																	
Fernwood Nature Center (157)			●				●	●	●				●	●		●	●	●	●	●	●	●	●	●									●		●			●				●			●											

	Facilities										Setting			Staff		Audiences									Special Populations							Programs and Curricula																				Certification				
NAME (PAGE #)	captive wild animals	farm animals	exhibits	recycling center	solar energy construction	planetarium	library	bookstore	greenhouse	overnight lodging	urban	suburban	rural	college interns	multilingual staff	elementary	secondary	undergraduate	graduate	in service teachers	youth groups	general public	conference groups	adult retreat	hearing impaired	educationally handicapped	vision impaired	mobility impaired	mentally handicapped	gifted and talented	multilingual	adventure education	environmental issues	animal rehabilitation	Project WILD	Earthkeepers	Sunship Earth	OBIS	NEED	Essence	Green Box	Project Learning Tree	REEP	STS	Ranger Rick	Class Project	Project Adventure	Living Lightly in City/Planet	Forest Ser. Prog. Approach	Audubon Adventures	Vol. Teaching Children	ACA	AAM	Urban Wildlife Education	National Study Area	Ins. for Earth Ed. Sher. Cr
MICHIGAN (Continued)																																																								
Hartwick Pines State Park (157)			●					●					●			●	●	●	●	●	●	●	●																																	
Huron-Clinton, Oakwoods Nat Center (157)	●		●										●			●	●	●	●	●	●	●																																		
Independence Oaks Nature Center (158)			●									●	●			●	●	●	●	●	●	●																				●			●											
Indian Springs Metropark Nature Ctr (158)			●		●								●			●	●				●	●																●				●														
Jennison Nature Center (158)			●									●				●	●				●	●				●	●		●	●												●			●					●						
Kalamazoo Nature Center (159)	●	●	●	●	●		●	●	●				●	●		●		●		●	●	●	●									●	●	●	●	●		●				●	●		●					●						
W. K. Kellogg Bird Sanctuary of MSU (159)	●		●					●					●	●		●	●	●			●	●							●	●			●	●																						
Kensington Metropark Nature Center (159)			●				●						●	●		●	●	●	●	●	●	●			●	●	●	●	●	●	●		●																							
Kingman Museum of Natural History (159)			●			●	●	●			●			●		●	●	●		●	●	●	●		●	●	●	●	●	●	●		●					●							●			●			●		●			
Kresge Environmental Educ Center (160)										●			●			●	●	●	●	●	●		●	●																															
Lapeer Community Schools (160)													●			●	●	●			●			●										●																						
Metro Beach Nature Center (160)			●									●				●	●	●	●	●	●	●											●												●										●	
Michigan State University Museum (160)			●											●		●	●	●	●	●	●	●	●		●	●	●	●	●	●	●																						●			
Mill Creek State Historic Park (160)			●					●					●			●	●				●	●																															●			
Mystic Lake YMCA Camp (161)		●								●			●	●		●	●						●	●								●										●			●											
Neithercut Woodland (161)			●				●						●			●	●	●	●	●	●	●	●	●									●	●																						
Price Nature Center (161)													●			●	●				●	●				●	●		●	●	●														●										
Sarett Nature Center (161)							●	●					●	●		●	●	●	●	●	●	●	●					●	●	●			●	●				●											●							
Seney National Wildlife Refuge (162)			●					●					●	●		●	●	●				●													●																				
Seven Ponds Nature Center (162)			●				●						●			●	●	●		●	●	●											●																							
Sleeping Bear Dunes Nat'l Lakeshore (162)			●				●	●					●			●	●	●	●		●	●											●																							
Lloyd A. Stage Outdoor Ed. Center (162)			●									●		●		●	●	●		●	●	●																●																		
Sterling Heights Nature Center (163)	●		●									●				●	●				●	●															●	●							●											
Stony Creek Metropark Nature Center (163)			●										●			●	●	●		●	●	●	●	●									●												●										
Storer Camps - YMCA (163)		●								●			●	●		●	●															●			●		●	●				●			●							●				
Sylvania Visitor Center (163)			●					●					●			●	●	●	●	●	●	●	●			●	●	●	●				●	●	●							●							●							
Tamarack Camps (164)		●								●			●			●	●	●		●	●	●	●	●		●						●																								
Anna Scripps Whitcomb Conservatory (164)			●						●		●					●	●					●																																	
Whitehouse Nature Center (164)			●										●	●		●	●	●			●	●	●										●	●																					
Wolcott Mill Metropark (164)			●				●						●			●	●	●	●	●	●	●																																	
MINNESOTA																																																							
Audubon Center of the North Woods (165)										●			●			●	●	●	●	●		●		●								●			●			●				●														
Barlage Center for Science (165)			●										●	●	●	●	●	●	●	●	●	●				●			●	●	●		●		●			●				●			●			●		●						
Carpenter St. Croix Valley Nat. Ctr. (165)	●		●	●			●						●	●		●	●	●	●	●	●	●	●	●				●		●		●	●	●																						
Chippewa National Forest (165)							●						●			●	●	●	●	●	●	●																																		
Deep-Portage Conservation Reserve (166)			●				●	●		●			●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		●							●			●					●						
Thomas Irvine Dodge Nature Center (166)	●	●	●					●	●			●		●		●	●	●		●	●	●			●		●	●	●	●		●	●	●																						
Eastman Nature Ctr/Elm Creek Park (166)			●	●			●	●				●		●		●	●			●	●	●				●		●	●	●			●		●			●				●			●			●								
J. C. Hormel Nature Center (166)	●		●				●					●				●	●			●	●	●	●			●	●	●	●	●			●	●	●			●				●			●	●		●	●							
Owen Johnson Interpretive Center (167)			●										●	●		●	●				●	●	●										●		●							●			●					●						
Oliver H. Kelley Farm (167)		●	●					●					●			●	●	●			●	●				●			●				●		●																					
Lake Carlos Environmental Center (168)										●			●			●	●	●	●	●	●			●								●	●		●							●			●		●					●				
Litchfield Wetland Management Dist (168)													●									●																																	
Long Lake Conservation Center (168)			●	●						●			●	●		●	●			●	●		●	●								●	●		●		●	●				●														
Lowry Nature Center (168)	●		●				●	●		●			●	●		●	●	●			●	●	●		●	●			●				●	●	●							●			●					●						
Maplewood Nature Center (169)	●		●				●	●				●		●		●	●			●	●	●				●			●				●	●	●							●			●											
Menogyn - YMCA Wilderness (169)										●			●				●				●	●		●				●			●	●																				●				
Minnesota Historical Society (169)			●										●			●	●	●			●	●													●																			●			
Minnesota Landscape Arboretum (169)							●		●				●			●	●	●	●	●	●	●	●																																

NAME (PAGE #)	Facilities										Setting			Staff		Audiences									Special Populations							Programs and Curricula																				Certification				
	captive wild animals	farm animals	exhibits	recycling center	solar energy construction	planetarium	library	bookstore	greenhouse	overnight lodging	urban	suburban	rural	college interns	multilingual staff	elementary	secondary	undergraduate	graduate	in-service teachers	youth groups	general public	conference groups	adult retreat	hearing impaired	educationally handicapped	vision impaired	mobility impaired	mentally handicapped	gifted and talented	multilingual	adventure education	environmental issues	animal rehabilitation	Project WILD	Earthkeepers	Sunship Earth	OBIS	NEED	Essence	Green Box	Project Learning Tree	REEP	SITS	Ranger Rick	Class Project	Project Adventure	Living Lightly in City/Planet	Forest Ser. Proc. Approach	Audubon Adventures	Vol. Teaching Children	ACA	AAM	Urban Wildlife Education	National Study Area	Ins. for Earth Ed. Sher. Ctr
MINNESOTA (Continued)																																																								
Minnesota Valley Nat'l Wildlife Ref (170)			●				●	●				●				●	●			●		●			●			●							●																						
Morris Wetland Management District (170)													●			●	●	●		●	●	●	●												●																						
Mounds View North Environ Learn Ctr (170)										●			●			●	●				●	●	●	●								●	●		●																						
Quarry Hill Nature Center (170)			●	●			●					●		●		●	●	●		●	●	●	●									●	●		●																						
Richardson Nature Center (171)	●		●					●				●		●		●	●			●	●	●											●		●																						
River Bend Nature Center (171)													●	●		●	●	●	●	●	●	●			●		●		●			●																								
Sherburne National Wildlife Refuge (171)			●										●			●	●	●	●	●	●	●																																		
Sibley State Park Interpretive Ctr. (171)			●										●			●	●			●		●						●	●	●		●	●																							
Springbrook Nature Center (171)	●		●	●	●							●				●	●	●		●	●	●						●	●	●		●	●	●	●		●					●			●											
St. Paul's Como Zoo (172)	●		●								●					●	●	●			●	●												●																						
Tamarac National Wildlife Refuge (172)			●					●					●	●		●	●	●			●	●				●		●							●							●			●	●										
Tamarack Nature Center (172)	●		●									●				●	●				●	●								●			●												●											
Lee and Rose Warner Nature Center (172)	●		●				●						●	●		●				●	●	●	●									●	●																							
Westwood Hills Environ. Education Center (173)			●									●		●		●					●	●												●																						
Wilder Forest (173)		●		●	●		●		●	●			●	●	●	●	●	●	●	●	●		●	●		●	●	●	●	●	●	●	●																			●				
Wolf Ridge Env. Learning Ctr (173)			●	●			●	●	●	●			●	●		●	●	●	●		●	●										●	●		●		●	●				●				●	●									
Wood Lake Nature Center (173)			●								●			●		●	●	●	●	●	●	●	●		●	●	●	●	●				●												●											
Zollman Zoo/Oxbow Nature Center (174)	●	●	●							●			●			●	●				●	●	●			●			●	●	●		●	●	●										●											
MISSISSIPPI																																																							
Arkabutla Lake, Army Corps (175)													●								●																																		
Biloxi Seafood Industry Museum Inc. (175)			●								●			●		●	●				●	●	●																																
Center for Environ. Energy & Science Ed. (175)							●	●	●	●	●					●	●	●	●	●													●		●							●				●										
Crosby Arboretum (175)			●										●			●	●	●	●		●	●											●		●							●														
Grenada Lake Field Office-Army Corp (175)			●		●					●			●																																										
Mississippi Agriculture/Foresty Mus (176)		●	●										●			●	●	●	●	●	●	●	●																																
Mississippi Museum of Natural Science (176)			●								●				●	●	●	●	●	●	●	●	●		●	●			●	●			●		●							●			●	●							●			
Mississippi Sandhill Crane NWR (176)			●										●			●	●	●				●																																	
Mynelle Gardens - City of Jackson (176)			●						●			●				●					●	●																																	
Piney Woods Country Life School (177)		●	●				●			●			●		●	●	●	●	●	●	●	●	●	●																															
Scranton Museum (177)			●								●					●	●				●	●																																	
Winterville Mounds (177)			●										●			●	●	●	●	●	●	●	●	●																															
MISSOURI																																																							
Dr. Emund A Babler Mem. St. Park (179)			●				●	●				●	●			●	●	●	●		●	●	●	●									●			●		●							●			●		●						
Burr Oak Woods Nature Center (179)			●								●					●	●				●	●	●																															
Clarence Cannon Nat'l Wildlife Ref. (179)													●			●	●	●			●	●													●																					
George Washington Carver Nat'l Mon. (179)			●				●	●					●			●	●	●			●	●	●		●								●																							
Culvre River State Park-Visitor Ctr (180)			●										●			●	●				●	●																																	
James Foundations (180)													●	●		●	●	●			●	●																														●			
Lakeside Nature Center (180)	●		●								●					●	●	●			●	●			●	●	●		●	●				●			●	●				●			●					●						
Meramec State Park (180)			●					●	●	●			●			●	●	●	●	●	●	●	●	●								●	●																							
Mingo National Wildlife Refuge (180)			●					●					●	●		●	●	●	●	●	●	●	●		●	●	●	●	●	●			●																							
Missouri Department of Conservation (181)	●		●										●			●	●	●	●	●	●	●				●		●	●				●					●							●											
Onondaga Cave State Park (181)			●										●			●	●	●	●	●	●	●															●								●					●						
George Owens Nature Park (181)			●								●					●	●	●	●	●	●	●	●	●										●																						
Pomme de Terre Lake - Army Corps (181)			●										●			●						●																																		
Powder Valley Nature Center (182)			●									●																																												

NAME (PAGE #)	Facilities										Setting			Staff		Audiences									Special Populations							Programs and Curricula																				Certification				
	captive wild animals	farm animals	exhibits	recycling center	solar energy construction	planetarium	library	bookstore	greenhouse	overnight lodging	urban	suburban	rural	college interns	multilingual staff	elementary	secondary	undergraduate	graduate	in-service teachers	youth groups	general public	conference groups	adult retreat	hearing impaired	educationally handicapped	vision impaired	mobility impaired	mentally handicapped	gifted and talented	multilingual	adventure education	environmental issues	animal rehabilitation	Project WILD	EarthKeepers	Sunship Earth	OBIS	NEED	Essence	Green Box	Project Learning Tree	REEP	STS	Ranger Rick	Class Project	Project Adventure	Living Lightly in City/Planet	Forest Ser. Proc. Approach	Audubon Adventures	Vol. Teaching Children	ACA	AAM	Urban Wildlife Education	National Study Area	Ins. for Earth Ed. Shar. Cit
MISSOURI (Continued)																																																								
Powell Gardens (182)	●		●				●	●	●				●	●		●	●	●	●	●	●	●	●	●								●			●	●									●				●							
Prairie State Park/Dept. of Nat Res (182)			●				●		●				●	●		●	●				●	●								●			●	●											●											
Purina Farms (182)		●	●								●					●	●				●	●	●					●	●																											
Raptor Rehab. & Propagation Project (183)	●		●										●	●		●	●	●	●			●											●	●																						
Shaw Arboretum (183)			●					●					●			●	●	●		●		●	●	●									●			●	●																			●
Shepherd of the Hills Trout Hatch (183)	●		●										●			●	●	●			●	●																																		
Springfield Nature Center (183)			●									●				●	●	●	●		●	●											●																							
St. Louis Science Center -Ed. Dept. (184)			●			●		●			●																																													
Swan Lake National Wildlife Refuge (184)													●									●																																		
Martha Lafite Thompson Nature Sanct (184)	●		●				●	●				●		●		●	●	●		●	●	●	●			●			●	●			●		●	●	●	●							●											
Thousand Hills State Park (184)										●			●	●		●	●	●	●	●	●	●	●										●		●		●	●							●											
Tri-State Mineral Museum (185)			●								●					●	●	●	●		●	●																																		
Mark Twain Lake Management Office (185)			●										●			●	●			●		●																																		
MONTANA																																																								
Benton Lake National Wildlife Ref. (187)													●			●	●	●	●			●																																		
Big Creek Outdoor Education Center (187)										●			●	●		●	●			●		●	●			●			●	●			●		●							●			●											
Chief Plenty Coups Museum (187)			●										●			●	●	●	●	●	●	●																															●			
Fort Benton Visitor Center (188)			●					●					●	●			●	●	●		●	●										●																								
Glacier Institute - Glacier Park (188)							●			●			●	●				●	●	●		●																																		
Medicine Lake Nat'l Wildlife Refuge (188)			●										●	●		●	●			●	●	●													●			●																		
NEBRASKA																																																								
Agate Fossil Beds National Monument (189)			●										●			●	●	●			●	●			●		●	●																												
Ak-Sar-Ben Aquarium (189)	●		●										●			●	●	●	●	●	●	●	●												●							●														
Chet Ager Nature Center (189)	●		●				●					●		●		●	●	●	●	●	●	●											●		●										●											
Cresent Lake NWR (189)													●		●	●	●	●	●	●	●	●	●																																	
Encounter Center, Univ Nebraska (189)	●		●	●		●		●			●			●	●	●	●	●	●	●	●	●	●			●	●	●	●	●			●		●										●								●			
Folsom Children's Zoo & Bot. Gardens (190)	●	●	●								●			●		●						●					●						●		●										●											
Fontenelle Forest Nature Center (190)			●				●	●				●				●	●	●		●	●	●													●																					
Fort Niobrara National Wildlife Ref (190)	●		●										●			●	●	●	●	●	●	●													●																					
Hastings Museum (190)						●					●					●	●	●		●	●	●																															●			
Neale Woods Nature Center (190)			●				●	●				●				●	●	●		●	●	●													●																					
Platte River State Park (191)										●			●	●		●	●				●	●	●	●																																
Prairie/Plains Resource Institute (191)													●			●		●	●																																					
Scotts Bluff National Monument (191)			●					●					●			●	●			●	●	●																																		
NEVADA																																																								
Animal Ark Inc. (193)	●												●			●	●			●	●																																			
Hidden Cave (193)												●				●	●	●	●		●	●								●																										
Lake Tahoe Nevada State Park (193)			●										●			●	●	●		●	●	●	●										●	●	●			●			●	●							●							
Lost City Museum (193)			●					●					●			●	●	●	●		●	●																																		
Nevada State Parks (194)			●				●	●				●	●	●		●	●	●	●	●	●	●	●	●											●							●			●	●				●						
NEW HAMPSHIRE																																																							
Appalachian Mountain Club (195)			●				●	●		●			●	●		●	●	●		●	●	●	●	●								●	●		●			●				●														
Audubon Society of New Hampshire (195)	●		●				●	●				●		●		●	●			●	●	●											●		●							●			●											
Bretzfelder Memorial Park (195)													●			●		●		●	●	●											●		●							●			●				●							
Harris Center for Conservation Educ (195)													●	●		●	●		●			●											●		●																					
John Ripley Forbes Nature Center (196)	●		●										●	●	●						●												●	●			●					●					●									
Little Nature Museum (196)			●										●			●					●	●													●							●			●											

	Facilities										Setting			Staff		Audiences									Special Populations							Programs and Curricula																				Certification				
NAME (PAGE #)	captive wild animals	farm animals	exhibits	recycling center	solar energy construction	planetarium	library	bookstore	greenhouse	overnight lodging	urban	suburban	rural	college interns	multicultural staff	elementary	secondary	undergraduate	graduate	in-service teachers	youth groups	general public	conference groups	adult retreat	hearing impaired	educationally handicapped	vision impaired	mobility impaired	mentally handicapped	gifted and talented	multilingual	adventure education	environmental issues	animal rehabilitation	Project WILD	Earthkeepers	Sunship Earth	OBIS	NEED	Essence	Green Box	Project Learning Tree	REEP	STS	Ranger Rick	Class Project	Project Adventure	Living Lightly in City/Planet	Forest Ser.-Proc. Approach	Audubon Adventures	Vol. Teaching Children	ACA	AAM	Urban Wildlife Education	National Study Area	Ins. for Earth Ed. Shar. Ct
NEW HAMPSHIRE (Continued)																																																								
Paradise Point Nature Center (196)	●		●					●					●			●	●			●	●	●	●												●							●			●											
Science Center of New Hampshire (196)	●		●		●		●						●	●		●	●	●	●	●	●	●	●											●	●			●				●			●			●								
Stonedam Island Wildlife Preserve (197)													●								●	●																																		
Tin Mountain Conservation Center (197)													●			●	●			●	●	●				●						●			●										●											
NEW JERSEY																																																								
Atlantic County Division of Parks (199)	●		●		●		●	●	●			●	●	●		●	●			●	●	●			●	●			●	●			●		●							●	●		●					●						
Bernie Environmental Education Center (199)	●						●			●			●			●	●			●	●	●	●	●								●			●		●	●				●			●		●					●				
Camden City Envir. Center (199)	●		●	●				●					●			●	●			●													●			●	●					●			●				●	●						
Camden County Environ Studies Ctr (199)			●				●					●	●			●	●	●		●	●	●						●	●	●			●		●			●				●			●											
Camp Hope Commission (199)		●	●							●			●	●		●				●	●		●												●			●				●			●							●				
Camp Ockanickon - YMCA (200)							●			●		●		●		●	●	●	●	●	●	●	●	●		●		●	●	●		●	●		●			●				●			●	●				●		●				
Cape May Bird Observatory (200)								●				●				●	●	●	●			●																																		
Cape May Point State Park (200)			●					●				●	●			●	●	●			●	●	●																																	
Annie M. Carter Nature Center (200)		●	●				●	●					●			●	●	●	●	●	●	●	●	●																															
Clean Ocean Action (201)							●							●		●	●	●	●	●	●	●	●										●																							
Cooper Environmental Center (201)	●		●				●						●			●	●	●	●	●	●	●			●	●	●	●	●	●	●		●	●																						
John J. Crowley Nature Center (201)			●									●				●	●				●	●																																	
Environmental Education Center (201)			●		●		●	●					●	●		●	●	●	●	●	●	●	●		●	●		●	●	●			●									●													●	
Fairview Lake YMCA Environ. Ed. Ctr. (201)		●	●							●			●	●		●	●			●	●	●	●	●		●				●			●		●			●							●		●					●				
Flat Rock Brook Nature Assn. (202)					●		●	●	●			●		●		●	●			●	●	●						●					●		●	●						●			●	●	●	●		●						
Fox Nature Center (202)	●		●		●		●	●	●			●	●	●																																									
Great Swamp Outdoor Education Ctr (202)	●		●				●					●				●	●	●			●	●												●											●											
Hackensack Meadowlands Development (203)			●								●					●	●	●		●	●	●	●							●			●		●											●										
Cora Hartshorn Arboretum /Bird Sact (203)			●									●				●					●	●																				●			●											
Herrowntown Woods (203)												●				●	●					●																																	
Irvington Outdoor Ed. Center (203)			●							●			●			●	●																																						
Kateri Environmental Education Ctr (203)					●					●		●	●			●	●	●		●	●	●	●	●	●	●	●		●	●		●			●			●				●					●									
Linwood-MacDonald Environ Educ Ctr (204)		●	●	●						●			●		●	●	●	●			●		●	●								●																				●				
Marine Mammal Stranding Center (204)			●									●		●	●	●	●	●	●	●	●	●								●			●	●																						
James A. McFaul Wildlife Center (204)	●		●				●					●		●		●					●	●						●	●				●	●	●										●								●			
Mohican Outdoor Resource Center (204)			●		●					●			●	●	●	●	●	●	●	●	●	●	●	●		●				●																										
Morris Museum (205)	●		●					●				●				●	●				●	●																							●								●			
New Jersey Audubon Society (205)			●				●	●					●	●	●	●				●	●	●	●			●							●		●			●				●			●											
New Jersey School of Conservation (205)			●	●	●		●	●		●			●	●		●	●	●	●	●	●											●			●							●					●								●	
New Jersey State Museum (205)			●			●		●			●			●		●	●				●	●																															●			
Robert J. Novins Planetarium (206)						●						●				●	●					●																																	
Ocean Institute (206)			●	●						●	●	●				●	●	●		●	●	●		●		●		●	●	●			●		●							●			●	●										
Paws Farm Nature Center (206)	●	●	●				●					●		●		●	●				●	●	●		●	●	●	●	●	●	●			●								●			●											
Pequest Trout Hatchery/ Educ Center (206)			●										●			●	●	●			●	●													●																				
Pinelands Institute (207)			●										●	●		●	●	●	●	●	●	●											●		●	●		●				●	●		●	●										
Poricy Park Nature Center (207)			●									●				●	●				●	●											●		●							●			●		●									
Princeton Education Ctr-Blairstown (207)				●			●			●			●	●		●	●	●			●		●	●								●			●												●									
Project U.S.E. (207)													●	●		●	●	●			●	●		●		●				●		●	●																							
Rancocas Nature Center (208)			●				●	●				●				●						●																																	
Reeves-Reed Arboretum (208)			●									●				●						●											●		●																					
Sandy Hook Unit Gateway NRA (208)			●					●					●			●						●																																	
John M. Schiff Nature Center (208)																																																							
Stoney Brook-Millstone Watershed (208)		●	●				●						●			●	●	●	●	●	●	●	●			●							●		●			●				●			●					●						
Tenafly Nature Center (209)	●		●				●	●				●																																											
Thunder Mountain School (209)									●	●			●			●	●	●			●	●	●			●			●	●																										

NAME (PAGE #)	Facilities										Setting			Staff		Audiences									Special Populations							Programs and Curricula																				Certification				
	captive wild animals	farm animals	exhibits	recycling center	solar energy construction	planetarium	library	bookstore	greenhouse	overnight lodging	urban	suburban	rural	college interns	multilingual staff	elementary	secondary	undergraduate	graduate	in-service teachers	youth groups	general public	conference groups	adult retreat	hearing impaired	educationally handicapped	vision impaired	mobility impaired	mentally handicapped	gifted and talented	multilingual	adventure education	environmental issues	animal rehabilitation	Project WILD	Earthkeepers	Sunship Earth	OBIS	NEED	Essence	Green Box	Project Learning Tree	REEP	STS	Ranger Rick	Class Project	Project Adventure	Living Lightly in City/Planet	Forest Ser. Proc. Approach	Audubon Adventures	Vol. Teaching Children	ACA	AAM	Urban Wildlife Education	National Study Area	Ins. for Earth Ed. Shar. Ctr
NEW JERSEY (Continued)																																																								
Trailside Nature & Science Ctr. (209)			•			•		•				•					•	•				•	•												•		•			•				•			•					•						
Walpack Valley Environ. Ed. Center (209)													•			•	•				•						•							•																								•	
Washington Crossing State Park (210)	•		•					•					•			•	•	•		•	•	•	•									•	•		•							•					•			•						
Weis Ecology Center (210)			•				•			•			•	•		•	•	•		•	•	•	•	•									•		•			•					•				•									
Wetlands Institute (210)			•				•	•	•	•			•	•	•	•	•	•	•	•	•	•	•	•		•		•	•	•			•		•							•			•											
NEW MEXICO																																																							
A.P.S. Environmental Ed. Center (211)			•		•		•						•			•																	•		•			•				•			•					•						
Albuquerque Public Schools (211)			•		•								•			•				•	•					•							•		•							•														
Aztec Ruins National Monument (211)			•					•					•			•	•	•	•	•	•	•																																		
Bandelier National Monument (211)			•					•					•	•		•	•	•	•		•	•	•										•		•							•														
Carlsbad Caverns National Park (212)			•		•			•					•		•	•	•	•	•			•																																	
Chaco Culture Nat'l Historical Park (212)			•					•					•	•	•																																								
Living Desert State Park (212)	•		•					•	•			•				•	•				•	•																																	
Rio Grande Nature Center (212)			•		•		•	•	•		•				•	•		•		•	•	•						•					•	•	•	•		•				•						•		•						
NEW YORK																																																							
Adirondack Ecological Center (213)																•	•	•	•	•	•	•	•	•									•																							
Adirondack Outdoor Education Center (213)			•							•			•			•	•	•		•	•	•	•	•								•	•																			•				
Alley Pond Environmental Center, Inc (213)	•		•					•				•		•		•	•	•		•	•	•											•																						•	
Aquarium of Niagara Falls (214)													•		•	•	•	•		•	•	•			•		•	•	•		•			•			•							•											
Ashokan Field Campus (214)		•	•	•	•					•			•			•	•	•		•	•	•	•	•								•			•							•														
Bayard Cutting Arboretum (214)												•		•		•						•																																	
Beaver Lake Nature Center (214)			•					•					•	•		•	•	•	•	•	•	•	•	•		•			•				•		•																				
Beaver Meadow Audubon Center (214)	•		•					•					•			•	•			•	•	•													•			•				•								•						
Bronx River Restoration Project, Inc (215)											•				•	•	•					•											•																							
Brooklyn Botanic Garden (215)			•				•	•	•		•			•		•	•	•	•	•	•	•	•			•	•	•	•	•			•									•														
Brooklyn Children's Museum (215)									•		•			•		•	•				•	•			•	•																											•			
Burnet Park Zoo (215)	•		•				•				•			•	•	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•		•	•											•											
Cayuga Nature Center (216)	•	•					•			•			•			•	•	•			•	•	•	•		•			•	•		•	•		•			•							•		•									
Center for Nature Education (216)			•					•					•			•					•	•										•	•		•			•				•														
Clay Pit Ponds State Park Preserve (216)		•	•									•				•	•				•	•											•		•							•			•					•						
Cold Spring Harbor Fish Hatchery (216)	•		•									•		•		•	•	•			•	•											•																							
Cornell Laboratory of Ornithology (216)			•					•					•		•	•	•	•	•		•	•	•																																	
Cumming Nature Center (217)			•										•	•	•	•	•			•	•	•			•	•	•	•	•	•	•		•																				•		•	
Environ Ctrs of Setauket-Smithtown (217)	•		•			•						•		•		•	•			•	•	•	•			•		•	•	•			•	•								•			•		•			•				•			
Finch Hollow Nature Center (217)			•									•		•		•	•			•	•	•								•				•	•							•			•											
Five Rivers Environmental Educ Ctr (218)	•		•				•	•					•	•		•	•	•	•	•	•	•											•		•			•				•			•			•	•						•	
Frost Valley Environ Education Ctr (218)	•	•		•			•		•	•			•	•		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•																					
Garvies Point Museum and Preserve (218)			•									•		•		•	•	•	•	•	•	•																						•								•			
Gateway Environmental Study Center (218)			•								•			•		•	•	•	•	•				•		•		•		•			•									•								•						
Great Neck Outdoor Educ. Ctr. (219)							•		•			•			•	•	•			•	•	•				•				•			•		•		•	•				•														
Greenburgh Nature Center (219)	•	•	•				•	•	•			•				•	•			•	•	•											•	•	•	•						•														
Greenkill Outdoor Environ Ed. Center (219)	•	•	•							•			•	•		•	•	•		•	•		•	•		•			•	•		•	•		•		•	•				•			•		•					•				
Hicksville Gregory Museum (219)			•								•			•		•	•			•		•				•				•			•																							
Hoyt Farm Park-Preserve (220)	•	•	•		•				•			•		•		•	•	•			•	•	•			•				•					•							•														
Institute of Ecosystem Studies (220)			•				•	•	•				•	•		•	•	•	•	•	•	•											•					•																		
George Landis Arboretum (220)							•						•			•	•	•			•	•	•																																	
Madden Outdoor Education Center (220)										•			•			•	•	•		•			•						•			•	•		•							•				•	•									
Manitoga, Inc. (221)													•			•	•		•	•	•	•											•																							
Mendon Ponds Visitor Center (221)			•											•		•	•				•	•																																	

NAME (PAGE #)	Facilities										Setting			Staff		Audiences									Special Populations							Programs and Curricula																				Certification				
	captive wild animals	farm animals	exhibits	recycling center	solar energy construction	planetarium	library	bookstore	greenhouse	overnight lodging	urban	suburban	rural	college interns	multilingual staff	elementary	secondary	undergraduate	graduate	in-service teachers	youth groups	general public	conference groups	adult retreat	hearing impaired	educationally handicapped	vision impaired	mobility impaired	mentally handicapped	gifted and talented	multicultural	adventure education	environmental issues	animal rehabilitation	Project WILD	Earthkeepers	Sunship Earth	OBIS	NEED	Essence	Green Box	Project Learning Tree	REEP	STS	Ranger Rick	Class Project	Project Adventure	Living Lightly in City/Planet	Forest Ser. Proc. Approach	Audubon Adventures	Vol. Teaching Children	ACA	AAM	Urban Wildlife Education	National Study Area	Ins. for Earth Ed. Shar. Ctr
NEW YORK (Continued)																																																								
Minna Anthony Common Nature Center (221)	●		●				●	●					●	●		●	●	●		●	●	●											●			●			●				●														
Museum of the Hudson Highlands (221)	●		●					●				●				●	●			●	●	●	●			●		●	●	●					●							●			●					●						
Pember Mus Nat History & Preserve (221)			●				●						●			●	●	●			●	●								●			●			●	●	●				●														
Roger Tory Peterson Nature Center (222)	●		●				●	●					●			●	●	●		●	●	●	●		●	●	●	●	●	●			●	●	●	●	●	●	●			●			●	●		●		●						
Petrified Creature Museum Nat Hist (222)			●					●								●	●	●	●		●	●																																	
Pok-O-MacCready Outdoor Educ Center (222)		●	●							●			●	●		●	●				●		●	●		●			●			●			●																		●				
Wilson M. Powell Wildlife Sanctuary (222)													●			●	●	●	●		●	●		●									●																	●						
Presbyterian Center at Holmes (223)		●	●				●			●			●	●	●	●	●	●			●	●	●	●	●			●	●		●	●	●				●	●				●								●		●				
Prospect Park Environmental Center (223)	●		●								●			●	●	●	●			●	●	●				●			●	●	●	●	●																		●						
Putnam/Northern Westchester BOCES (223)					●					●			●			●	●	●		●			●			●				●		●	●		●	●	●					●				●	●			●						
Queens Botanical Garden (223)											●				●	●	●					●				●				●																									
Queens Coll Ctr-Environ Res/Teach (224)	●		●					●		●		●		●		●	●	●		●	●	●	●	●											●	●	●						●				●	●									
Rensselaer County Jr. Museum (224)	●		●			●					●			●		●	●			●	●	●				●			●				●		●																					
Roberson Ctr Planetarium/Observ (224)			●			●					●		●	●		●	●	●		●	●	●	●			●				●																●								●			
Rockland Lake Nature Center (224)	●		●									●				●	●				●	●																																	
Rogers Environmental Education Ctr (224)			●				●	●					●	●		●	●	●		●	●	●				●			●	●			●		●							●			●											
Theodore Roosevelt Sanctuary, Inc. (225)							●	●				●				●	●	●	●	●	●	●	●			●		●	●	●		●	●	●	●			●				●					●			●						
Rye Nature Center (225)			●	●	●		●		●			●		●		●	●	●	●	●	●	●						●	●	●	●			●	●	●							●			●					●						
Sands Point Preserve (225)			●				●	●				●				●						●																															●			
Schoellkopf Geological Museum (225)			●								●					●	●	●	●	●	●	●	●		●	●	●	●	●	●			●		●			●				●			●											
Sci-Tech Center (226)			●								●					●	●	●			●	●																							●											
Seneca Park Zoo (226)	●	●	●				●					●		●		●	●	●	●	●	●	●	●	●										●																						
Springdale Farm (226)		●	●					●					●	●		●					●	●																																	
Stony Kill Farm Environ. Ed. Center (226)		●	●				●		●				●	●		●	●			●	●	●											●		●			●				●														
Tackapausha Museum & Preserve (227)	●		●									●		●		●	●	●	●	●	●	●												●																			●			
Tanglewood Community Nature Center (227)	●		●				●	●					●		●	●	●	●			●	●	●	●			●																													
Teatown Lake Reservation (227)	●	●	●				●	●				●	●	●		●	●	●	●	●	●	●	●	●				●		●			●	●	●			●				●			●	●		●								
Tifft Nature Preserve (228)			●					●			●					●	●	●		●	●	●													●			●				●			●											
Trailside Museums and Zoo (228)	●		●									●	●			●	●	●			●	●				●				●			●		●		●	●				●			●											
Twin Cedars/N.Y.S.D.E.C. (228)			●										●			●	●					●	●	●										●		●																					
Utica Zoo (228)	●	●	●									●				●	●				●	●												●	●																					
Waterman Conservation Education Center (229)			●				●	●			●			●		●	●	●	●	●	●	●	●	●		●		●	●	●			●		●		●	●				●			●	●										
Wave Hill (229)			●					●	●		●			●	●	●	●			●	●	●	●		●	●	●			●	●		●																							
Westmoreland Sanctuary Inc. (229)			●					●				●				●	●				●	●														●							●			●	●				●						
NORTH CAROLINA																																																							
Betsy-Jeff Penn 4-H Educational Ctr. (231)			●				●	●		●			●	●		●	●			●	●	●	●	●									●	●		●			●				●					●		●			●				
Camp Cheerio - YMCA (231)										●			●			●	●			●	●		●	●	●					●		●			●							●											●				
Carolina Raptor Center Inc. (231)	●												●	●	●	●	●	●	●	●	●	●	●											●	●																					
Catawba Science Center (231)			●								●					●	●			●	●	●												●												●									●			
Charlotte Outdoor Adventure Ctr (232)											●					●	●	●	●	●	●	●										●																								
Chimney Rock Park (232)			●							●			●		●	●	●	●		●	●	●									●	●																								
Clemmons Educational State Forest (232)	●		●				●	●					●	●		●	●		●	●	●	●									●		●	●		●			●				●			●	●			●							
Colburn Gem & Mineral Museum (232)			●				●	●		●	●					●	●	●				●																																		
Cradle of Forestry in America (233)			●					●					●	●		●	●	●	●	●	●	●																																		
Discovery Place (233)			●		●			●			●				●	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●		●																				●			
Durant Nature Park (233)	●		●							●		●				●	●	●		●	●	●	●	●	●	●	●	●	●			●		●	●			●				●					●									
Eagle's Nest Camp Inc. (234)				●	●					●			●		●	●	●						●	●							●	●	●	●		●	●								●	●	●		●	●		●				
Energy Explorium (234)	●		●		●								●			●	●	●	●	●	●	●	●	●									●																							
Foothills Equestrian Nature Center (234)	●		●				●	●		●			●			●					●	●			●	●	●	●	●																											
Gem and Mineral Society of Franklin (234)													●			●	●					●																																	

NAME (PAGE #)	Facilities										Setting			Staff		Audiences									Special Populations							Programs and Curricula																				Certification				
	captive wild animals	farm animals	exhibits	recycling center	solar energy construction	planetarium	library	bookstore	greenhouse	overnight lodging	urban	suburban	rural	college interns	multilingual staff	elementary	secondary	undergraduate	graduate	in-service teachers	youth groups	general public	conference groups	adult retreat	hearing impaired	educationally handicapped	vision impaired	mobility impaired	mentally handicapped	gifted and talented	multilingual	adventure education	environmental issues	animal rehabilitation	Project WILD	Earthkeepers	Sunship Earth	OBIS	NEED	Essence	Green Box	Project Learning Tree	REEP	STS	Ranger Rick	Class Project	Project Adventure	Living Lightly in City/Planet	Forest Ser. Proc. Approach	Audubon Adventures	Vol. Teaching Children	ACA	AAM	Urban Wildlife Education	National Study Area	Ins. for Earth Ed. Sher. Cir
NORTH CAROLINA (Continued)																																																								
Long Branch Environmental Educ Ctr (235)			●	●	●		●	●	●	●			●	●	●	●	●	●	●	●	●	●	●	●						●	●	●	●		●										●			●								
McDowell Park Nature Center (235)			●										●			●	●				●	●			●	●	●		●	●		●	●		●							●			●	●				●						
Morehead Planetarium (235)						●		●			●			●		●	●	●	●	●	●	●	●																														●			
Morrow Mountain State Park (235)	●		●							●			●			●	●	●	●	●	●	●											●		●							●														
Natural Science Center-Greensboro (236)	●	●	●		●	●		●				●		●		●	●	●	●	●	●	●	●		●	●				●			●	●											●					●			●			
Nature Museum (236)			●			●	●	●				●		●		●				●	●	●	●			●	●	●	●	●			●	●								●											●			
Nature Science Center (236)	●	●	●			●		●				●				●	●				●	●	●											●																						
New Hanover County Museum (236)			●								●			●		●	●	●	●	●	●	●	●																																	
N. Carolina Aquarium - Pine Knoll Shores (236)	●		●					●					●	●		●	●	●		●	●	●	●							●			●	●	●			●							●											
North Carolina Aquarium-Roanoke Is. (237)			●				●	●					●	●		●	●	●	●	●	●	●	●			●				●			●	●	●			●							●											
North Carolina Maritime Museum (237)			●				●	●					●	●		●	●	●	●	●	●	●	●																						●								●			
N. Carolina Museum - Life & Sciene (237)	●	●	●								●			●		●	●			●	●	●												●	●										●											
North Carolina Musuem Nat. Sciences (237)	●		●				●	●			●			●	●	●	●	●	●	●	●	●			●	●	●	●	●	●			●	●	●							●			●					●			●			
Piedmont Environmental Center (238)	●		●					●	●		●					●	●			●	●	●		●		●			●						●							●			●					●						
Rendezvous Mountain Educational (238)			●										●			●	●			●	●	●													●			●				●				●			●							
Roan Mtn Environ Adventure Center (238)							●			●			●	●		●	●	●	●	●	●	●	●	●						●		●			●	●		●				●														
Rocky Mount Children's Museum (238)	●		●		●	●			●		●					●	●	●			●	●							●						●			●							●		●									
San Lee Park (239)	●		●										●			●	●				●	●										●		●	●										●											
Schiele Mus of Nat History & Planet (239)	●		●	●		●	●	●			●			●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		●	●	●	●		●								●		●		●	●			●			
Stone Mountain State Park (239)																●	●	●			●	●										●																								
Western North Carolina Nature Ctr (239)	●	●	●					●			●			●		●	●	●		●	●	●	●			●		●	●	●				●	●			●				●			●	●			●							
Wing Haven Garden & Bird Sanctuary (240)									●							●	●				●	●																																		
NORTH DAKOTA																																																								
Audubon National Wildlife Refuge (241)			●										●	●		●	●	●			●	●													●																					
Icelandic State Park (241)			●										●			●	●				●	●										●			●							●			●											
Long Lake National Wildlife Refuge (241)													●			●	●	●				●																																		
Lostwood National Wildlife Reserve (241)													●																																											
Red Willow Bible Camp-Whole Earth (241)			●							●			●			●	●				●	●	●	●	●	●	●	●	●	●					●	●	●	●				●							●							
Theodore Roosevelt National Park (242)			●					●					●	●		●	●	●	●	●		●										●	●		●				●			●			●											
Sullys Hill National Game Preserve (242)	●		●										●			●	●	●		●	●	●													●							●														
Turtle Mountain Env. Learning Ctr. (242)										●			●	●		●	●				●	●	●	●								●			●			●	●			●			●		●		●							
OHIO																																																								
Aullwood Audubon Center & Farm (243)	●	●	●	●	●		●	●				●	●	●		●	●	●	●	●	●	●	●	●									●	●	●		●	●			●	●			●			●	●	●					●	
Barnebey Center for Environ Studies (243)										●			●			●	●	●	●	●	●	●	●	●											●			●				●				●										
Blacklick Woods Metro Park (243)			●					●						●		●	●	●			●	●													●			●							●											
Brecksville Nature Center (243)			●									●		●		●	●	●	●	●	●	●											●		●																					
Brukner Nature Center (243)	●		●	●									●	●		●	●	●		●	●	●				●			●	●				●																						
California Wood Nature Preserve (244)			●									●				●	●				●	●		●		●					●	●	●					●				●			●											
Camp Campbell Gard Outdoor Ed-YMCA (244)	●		●	●						●		●				●	●				●		●	●		●		●	●	●																						●				
Camp Fitch - YMCA (244)		●	●							●			●	●		●					●	●	●	●	●	●		●	●	●		●					●	●			●	●										●				
Camp Otterbein (244)				●						●			●								●	●	●	●	●							●																				●				
Camp Palmer Inc. - 4-H (244)	●	●	●				●			●			●			●	●				●		●	●								●			●							●														
Camp Y - Noah (245)									●	●		●		●		●	●			●			●	●								●	●		●			●			●	●			●	●	●	●								
Cedar Bog Nature Preserve (245)													●	●		●	●	●	●		●	●																																		
Cincinnati Museum- Natural History (245)			●			●		●			●			●		●	●	●	●	●	●	●	●	●								●	●																				●			
Cincinnati Nature Center (245)			●	●			●	●				●				●	●			●	●	●	●										●																							
Cincinnati Zoo & Botanical Garden (245)	●	●	●				●	●	●	●	●			●		●	●	●	●	●	●	●	●		●	●	●	●	●	●	●		●	●	●							●			●					●			●			

NAME (PAGE #)	Facilities										Setting			Staff		Audiences									Special Populations							Programs and Curricula																				Certification				
	captive wild animals	farm animals	exhibits	recycling center	solar energy construction	planetarium	library	bookstore	greenhouse	overnight lodging	urban	suburban	rural	college interns	multilingual staff	elementary	secondary	undergraduates	graduates	in-service teachers	youth groups	general public	conference groups	adult retreat	hearing impaired	educationally handicapped	vision impaired	mobility impaired	mentally handicapped	gifted and talented	multilingual	adventure education	environmental issues	animal rehabilitation	Project WILD	Earthkeepers	Sunship Earth	OBIS	NEED	Essence	Green Box	Project Learning Tree	PEEP	SIS	Ranger Rick	Class Project	Project Adventure	Living Lightly in City/Planet	Forest Ser. Proc. Approach	Audubon Adventures	Vol. Teaching Children	ACA	AAM	Urban Wildlife Education	National Study Area	Ins. for Earth Ed. Shar. Ctr
OHIO (Continued)																																																								
Cleveland Children's Museum (246)											●				●	●			●	●	●	●				●	●			●																							●			
Cleveland Metroparks System (246)	●		●	●		●	●	●	●		●	●	●	●		●	●	●	●	●	●	●	●	●									●	●	●													●								
Cox Arboretum & Visitor Center (246)							●					●		●		●	●			●	●	●	●	●					●	●			●									●			●								●			
Crane Creek Wildlife Expt Station (246)			●										●	●		●	●	●	●	●		●			●	●				●					●																					
Dawes Arboretum (247)	●		●				●	●	●	●			●	●		●	●	●		●	●	●	●			●			●	●					●			●				●			●											
Ford Nature Center (247)	●		●				●	●						●		●	●			●	●	●													●																					
Fort Ancient State Memorial (247)			●										●			●	●	●	●		●	●								●																										
Franklin Park Conservatory (247)			●				●	●	●		●					●	●	●	●	●	●	●	●	●																																
Garfield Park Nature Center (248)	●		●				●				●			●		●	●	●	●	●	●	●											●		●																					
Germantown Reserve & Nature Center (248)	●		●										●	●		●	●			●	●	●													●							●														
Glen Helen/Antioch University (248)	●		●	●			●	●	●	●			●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		●	●	●	●							●													●	
Gorman Nature Center (248)	●		●					●				●				●	●	●		●	●	●	●			●							●	●																						
Hamilton County Park District (248)	●		●					●				●		●		●	●	●	●	●	●	●													●			●				●														
Hervida 4-H Camp Inc. (249)			●	●						●			●			●	●	●		●	●	●	●	●																																
Holden Arboretum (249)			●				●	●	●				●	●		●	●	●	●	●	●	●	●		●	●	●	●	●									●																		
Hueston Woods Nature Center (249)	●		●	●									●			●					●	●												●	●							●														
Huntington Dist. Army Corps (249)													●	●		●	●	●	●	●	●	●													●																					
Laboiteaux Woods Outdoor Educ Ctr (250)	●		●				●				●	●		●		●	●	●	●	●	●	●	●	●		●		●	●	●	●	●	●	●	●		●	●				●			●											
Lake Erie Nature and Science Center (250)	●	●	●			●	●	●	●			●				●	●	●	●	●	●	●				●	●		●	●				●	●			●				●			●											
Lamb Heritage Ctr -Side Cut Metropk (250)			●									●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		●		●							●														
Life Camp (250)													●			●	●				●				●	●	●	●	●	●		●	●		●							●										●				
Lutheran Memorial Camp (251)	●		●	●						●			●			●	●	●	●	●	●	●	●	●	●	●	●	●	●			●	●		●		●	●		●		●				●	●					●				
Mohican School in the Out-of-Doors (251)	●	●						●		●			●	●		●		●		●		●	●										●	●	●	●	●					●			●			●		●						
Muskingum Outdoor Training & Ed. Ctr. (251)	●	●	●		●		●	●		●			●	●		●	●	●	●	●	●		●	●		●			●	●		●	●	●	●		●	●				●			●		●					●				
Ohio Division of Wildlife (251)											●	●	●			●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●				●																					
Ohio Historical Society (251)			●				●	●			●					●	●	●	●	●	●	●								●																						●				
Orton Geological Museum (252)			●								●			●	●	●	●	●	●	●	●	●																																		
Packer-Hammersmith Center (252)			●								●			●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		●		●			●				●														
Procter Conference Center (252)										●			●				●	●		●	●	●	●	●																																
Quail Hollow State Park (252)			●				●					●				●	●	●	●	●	●									●			●	●	●		●					●			●											
Rocky River Nature Center (252)	●		●									●	●	●		●	●	●	●	●	●	●											●		●			●							●					●						
Sanctuary Marsh Nature Center (253)	●		●				●		●			●		●		●	●	●	●	●	●	●											●		●																					
Secor Metropark Nature Center (253)			●		●							●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●			●		●			●				●														
Shaker Lakes Regional Nature Center (253)							●	●			●					●	●		●	●	●	●	●										●			●																				●
F. T. Stone Laboratory (253)			●				●	●		●			●			●	●	●	●	●	●	●	●	●									●																							
Tampeel (254)			●	●	●		●					●				●																	●																							
Toledo Botanical Garden Nat Ed Prog (254)			●						●			●		●		●		●	●	●	●	●			●	●				●			●												●					●						
Toledo Zoo (254)	●	●	●						●		●					●	●	●	●	●	●	●	●																																	
Wahkeena Nature Preserve (254)			●										●	●		●	●		●	●	●	●								●			●	●		●	●								●											
The Wilderness Center, Inc. (254)			●			●		●					●			●	●	●		●	●	●						●																	●					●						
Wildwood Preserve (255)					●		●	●				●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		●		●			●				●														
Willson Outdoor Center - YMCA (255)			●							●			●			●	●				●														●							●			●		●					●				
Woodland Altars Outdoor Educ Ctr (255)					●				●	●			●			●					●		●	●									●	●	●			●				●					●									
OKLAHOMA																																																							
A. D. Buck Museum Science & History (257)			●											●		●	●	●			●	●																															●			
Fountainhead State Park (257)	●		●							●			●			●	●				●	●				●	●	●	●	●				●	●			●				●			●							●				
Goddard Youth Camp (257)			●							●			●	●		●	●	●	●	●	●												●																							
Martin Park Nature Center (257)	●		●	●			●					●				●	●	●	●	●	●	●				●		●	●	●			●		●			●							●											
Omniplex Science Museum (257)			●			●			●		●	●				●	●	●	●	●	●	●	●		●	●	●	●	●	●			●																							

NAME (PAGE #)	Facilities										Setting			Staff		Audiences									Special Populations							Programs and Curricula																				Certification				
	captive wild animals	farm animals	exhibits	recycling center	solar energy construction	planetarium	library	bookstore	greenhouse	overnight lodging	urban	suburban	rural	college interns	multilingual staff	elementary	secondary	undergraduate	graduate	in service teachers	youth groups	general public	conference groups	adult retreat	hearing impaired	educationally handicapped	vision impaired	mobility impaired	mentally handicapped	gifted and talented	multilingual	adventure education	environmental issues	animal rehabilitation	Project WILD	Earthkeepers	Sunship Earth	OBIS	NEED	Essence	Green Box	Project Learning Tree	REEP	STS	Ranger Rick	Class Project	Project Adventure	Living Lightly in City/Planet	Forest Ser. Proc. Approach	Audubon Adventures	Vol. Teaching Children	ACA	AAM	Urban Wildlife Education	National Study Area	Ins. for Earth Ed. Star Cit
OKLAHOMA (Continued)																																																								
Optima Project Office, Army Corps (258)													●			●					●	●													●							●														
Oxley Nature Center (258)			●				●	●				●		●		●	●	●	●	●	●	●			●	●	●	●	●	●			●		●			●				●														
Quartz Mountain State Park (258)	●		●										●			●	●				●	●	●	●											●										●											
Salt Plains Nat'l Wildlife Refuge (258)													●		●	●	●			●	●	●																																		
Three Forks Nature Center (259)	●		●							●			●			●	●	●			●	●	●						●	●			●	●	●							●														
Travertine Nature Center (259)	●		●				●	●				●	●			●	●	●	●		●	●											●																							
Tucker Tower Nature Center (259)			●				●			●			●			●	●	●		●	●	●	●	●									●	●	●			●							●											
Washita National Wildlife Refuge (259)													●			●	●	●	●			●																																		
OREGON																																																								
Camp Lutherwood (261)				●						●			●			●	●				●		●	●								●			●		●					●										●				
Crater Lake National Park (261)			●				●	●		●			●			●	●	●	●	●	●							●					●																							
Friends of Tryon Creek State Park (261)			●				●				●					●	●	●		●	●	●					●	●																	●											
Hart Mountain Nat'l Antelope Refuge (261)													●			●	●	●	●			●	●										●																							
Hatfield Marine Science Center (262)	●		●					●					●	●	●	●	●	●	●	●	●	●				●	●	●		●																										
High Desert Museum (262)	●		●					●					●	●		●	●					●	●																																	
Hoyt Arboretum (262)			●				●									●	●	●	●	●	●	●													●							●			●					●						
John Fossil Beds National Monument (262)			●					●					●			●	●	●	●	●	●	●																																		
J. Inskeep Environ Learning Center (263)			●	●	●				●							●	●	●	●	●	●	●	●	●									●																					●		
McNary Lock and Dam, Army Corps (263)			●										●			●	●	●			●	●	●																																	
Oregon Caves Chateau (263)										●			●			●	●	●	●		●	●			●																															
Oregon 4H Conf & Education Center (263)										●			●			●	●	●		●	●	●	●	●		●				●		●	●		●							●			●	●						●				
Oregon Museum of Science and Indus. (264)	●	●	●				●	●		●			●			●	●	●	●	●	●	●	●	●								●			●																					
Oxbow Park (264)													●			●	●				●	●				●		●					●		●	●	●	●				●														
South Slough National Estuarine (264)			●					●					●	●		●	●	●	●	●	●	●									●		●																							
Washington Co. Outdoor School (264)										●			●			●	●																		●		●												●							
Western Oregon Refuge Complex (265)													●			●	●	●	●	●	●	●																																		
White Branch Youth Camp (265)										●			●			●	●	●			●	●	●	●																																
PENNSYLVANIA																																																								
Allegheny Reservoir, Army Corps (267)			●										●			●	●	●	●		●	●																																		
Andorra Natural Area (267)	●		●								●	●		●	●	●	●	●			●	●			●	●	●		●	●			●		●			●				●	●		●					●						
Asbury Woods Nature Center (267)	●		●									●				●	●	●		●	●	●			●	●		●	●	●			●		●			●				●			●	●										
Awbury Arboretum Association (267)							●				●					●	●		●		●	●								●															●											
Bartram's Garden (268)			●				●				●					●	●	●				●																																		
Beechwood Farms Nature Reserve (268)			●		●		●	●				●				●	●	●		●	●	●													●			●	●			●			●			●		●						
Black Rock Retreat, Genesis Account (268)								●		●		●		●		●	●	●	●	●	●	●	●	●					●			●	●																							
Bowman's Hill Wildflower Preserve (268)			●									●	●	●		●	●	●	●	●	●	●																															●			
Briar Bush Nature Center (268)	●		●				●	●				●		●		●				●	●	●				●			●				●		●		●	●	●	●	●	●			●	●		●		●						
Camp Speers-Eljabar YMCA (269)							●			●			●	●		●	●	●			●		●	●								●	●		●							●					●					●				
Carnegie Museum of Natural History (269)			●				●	●			●			●		●	●	●	●	●	●	●	●		●	●	●		●						●			●							●								●			
Churchville Nature Center (269)			●	●			●	●				●		●		●	●	●			●	●				●		●				●	●		●																					
Commonwealth of Pa (270)							●					●		●		●	●	●	●	●	●	●				●				●			●		●			●				●		●		●			●							
Delaware Valley Raptor Center (270)	●															●	●																																							
East Branch Lake (270)													●			●	●	●	●	●	●	●											●		●			●				●														
Everhart Museum (270)			●			●					●					●	●	●	●	●	●	●			●	●		●	●	●			●																							
Frick Nature Center (271)											●					●	●	●		●	●	●							●			●	●					●				●		●	●		●									
Leonard Harrison State Park (271)			●										●			●	●				●	●	●		●								●		●							●			●											
Hawk Mountain Sanctuary (271)			●				●	●					●	●		●	●	●	●	●	●	●						●						●	●							●				●										
Holtwood Land Management Project (271)			●										●		●	●	●				●	●											●		●			●				●			●											

NAME (PAGE #)	Facilities										Setting			Staff		Audiences									Special Populations							Programs and Curricula																				Certification				
	captive wild animals	farm animals	exhibits	recycling center	solar energy construction	planetarium	library	bookstore	greenhouse	overnight lodging	urban	suburban	rural	college interns	multilingual staff	elementary	secondary	undergraduate	graduate	in-service teachers	youth groups	general public	conference groups	adult retreat	hearing impaired	educationally handicapped	vision impaired	mobility impaired	mentally handicapped	gifted and talented	multilingual	adventure education	environmental issues	animal rehabilitation	Project WILD	Earthkeepers	Sunship Earth	OBIS	NEED	Essence	Green Box	Project Learning Tree	REEP	STS	Ranger Rick	Class Project	Project Adventure	Living Lightly in City/Planet	Forest Star Proc. Approach	Audubon Adventures	Vol. Teaching Children	ACA	AAM	Urban Wildlife Education	National Study Area	Ins for Earth Ed Sbr. Ctr
PENNSYLVANIA (Continued)																																																								
Honey Hollow Environ Education Ctr (272)							●	●					●	●		●	●	●		●	●	●						●		●			●		●	●	●	●	●		●	●	●			●		●		●						
Lacawac Sanctuary Foundation (272)													●	●				●	●			●	●	●																																
Little Buffalo State Park (272)			●										●	●		●	●	●		●	●	●						●					●		●			●				●														
McKeever Environ Learning Center (273)							●			●			●	●		●	●	●	●	●	●	●	●	●						●			●		●	●	●	●	●	●		●						●	●						●	●
Mill Grove, Audubon Wildlife Sanct (273)			●										●			●	●				●	●																																	
Monroe County Environmental Ed Ctr (273)			●				●	●					●	●		●	●	●		●	●	●				●		●		●			●		●			●				●			●											
Montour Preserve (274)			●										●			●	●	●		●	●	●											●																								
Morris Arboretum - U Pennsylvania (274)											●			●		●				●		●																																	
Peace Valley Nature Center (274)			●		●			●	●			●		●		●						●				●	●			●			●																							
Pennypack Watershed Assoc. (275)			●	●	●		●	●	●		●	●	●	●		●	●	●	●	●	●	●	●			●	●			●			●		●			●				●			●	●			●						
Pocono Environmental Education Ctr (275)			●	●	●		●	●		●			●			●	●	●	●	●	●	●	●	●	●	●		●	●	●	●	●	●		●			●			●	●		●	●	●	●		●						●	
Pool Wildlife Sanctuary (275)			●				●					●				●	●	●		●	●	●	●	●		●	●	●	●	●			●		●			●				●			●											
Powdermill Nature Reserve (276)			●										●			●	●	●	●		●	●	●												●			●				●			●				●						
Reading Nature Center (276)	●		●										●								●	●				●			●	●																										
Reading Public Museum & Art Gallery (276)			●			●			●		●					●	●			●		●				●	●	●	●	●	●		●																				●			
Reading School District (276)			●			●						●				●	●	●		●		●								●																							●			
Riverbend Environmental Educ Ctr (276)				●			●					●		●		●	●			●	●	●													●	●	●	●				●	●		●		●								
The Schuylkill Ctr for Environ Educ (277)				●	●		●	●			●			●	●	●	●	●	●	●		●			●	●	●	●	●	●	●		●	●		●	●						●												●	●
Shaver's Creek Environmental Center (277)	●		●	●			●	●		●			●	●		●	●	●	●	●	●	●	●	●		●			●	●		●	●	●	●		●	●				●			●		●					●				
Shuts Environmental Center (277)	●		●				●					●				●	●	●	●	●	●	●										●	●		●			●				●	●		●		●		●							
Silver Lake Nature Center (278)			●	●			●	●			●	●			●	●					●	●			●	●				●					●							●	●													
South Mountain YMCA Camps (278)			●				●			●			●			●	●				●		●	●		●						●	●			●	●															●				
Tuyamentasachta-Center for Env. Stud. (278)			●		●		●		●				●			●	●	●	●	●		●											●		●	●						●								●						
Tinicum National Environmental Ctr (278)											●			●	●	●	●	●	●	●	●	●													●							●														
Tyler Arboretum (279)			●				●	●	●				●			●	●	●	●	●	●	●										●																								
Wissahickon Valley Watershed Assoc (279)	●		●				●					●				●	●				●	●											●																							
Zooamerica No. American Wildlife Pk. (279)	●		●									●		●		●	●				●	●	●										●																							
RHODE ISLAND																																																							
Audubon Society of Rhode Island (281)			●				●	●				●				●	●			●	●	●	●						●				●		●							●			●					●						
Blithewold Gardens and Arboretum (281)			●									●				●	●					●																																	
Norman Bird Sanctuary (281)	●	●	●				●	●				●			●	●	●	●		●	●	●										●	●	●			●	●				●			●											
Univ. Rhode Island - Environ. Ed. Ctr. (281)		●	●	●			●			●			●	●		●	●	●	●	●	●	●	●	●		●		●		●		●	●	●				●			●	●			●	●	●	●		●						
SOUTH CAROLINA																																																							
Brookgreen Gardens (283)	●							●					●			●	●	●	●	●	●	●	●			●				●															●								●			
Cape Romain Nat'l Wildlife Refuge (283)			●										●			●	●	●	●		●	●													●																				
Charles Towne Landing-1670 (283)	●		●					●				●		●		●	●	●	●	●	●	●	●	●		●		●	●	●				●											●											
Columbia Museum of Art (283)			●			●	●	●			●			●		●	●	●	●			●	●																														●			
Environ Ed. Center at Thunderbird (284)	●			●						●		●		●		●	●			●			●	●						●		●	●		●			●				●					●					●				
Hampton Plantation State Park (284)			●		●			●					●			●						●													●							●			●											
Kings Mountain State Park (284)		●	●						●	●		●		●		●	●	●	●	●	●	●	●	●								●	●		●																				
Museum of York County (284)			●			●		●					●			●	●	●	●	●	●	●								●				●	●										●											
Myrtle Beach State Park (285)			●							●	●					●	●				●	●		●					●	●			●		●																				
Poinsett State Park (285)	●		●							●			●			●	●	●			●	●													●										●											
Roper Mountain Science Center (285)	●	●	●			●			●			●				●	●			●	●	●										●	●	●	●							●			●	●	●			●						
Santee National Wildlife Refuge (285)			●										●									●																																	
Science Center (286)	●		●								●					●	●				●	●			●	●	●	●	●	●																										
South Carolina State Museum (286)			●					●			●					●	●	●	●	●	●	●	●																																
Table Rock State Park (286)	●		●							●			●	●		●	●			●	●	●	●						●	●				●	●							●													
U.S. Army Corps of Engineers (286)													●			●	●				●	●							●																										

NAME (PAGE #)	Facilities										Setting			Staff		Audiences									Special Populations							Programs and Curricula																				Certification				
	captive wild animals	farm animals	exhibits	recycling center	solar energy construction	planetarium	library	bookstore	greenhouse	overnight lodging	urban	suburban	rural	college interns	multicultural staff	elementary	secondary	undergraduate	graduate	in-service teachers	youth groups	general public	conference groups	adult retreat	hearing impaired	educationally handicapped	vision impaired	mobility impaired	mentally handicapped	gifted and talented	multilingual	adventure education	environmental issues	animal rehabilitation	Project WILD	Earthkeepers	Sunship Earth	OBIS	NEED	Essence	Green Box	Project Learning Tree	REEP	STS	Ranger Rick	Class Project	Project Adventure	Living Lightly in City/Planet	Forest Ser. Prog. Approach	Audubon Adventures	Vol. Teaching Children	ACA	AAM	Urban Wildlife Education	Natural Study Area	Ins. for Earth Ed. Tchr. Cr.
SOUTH DAKOTA (Continued)																																																								
Badlands National Park (287)			●					●		●			●	●	●	●	●					●																																		
Beaver Creek Nature Area (287)			●										●	●		●	●					●											●		●			●				●			●											
Custer State Park (287)			●					●		●			●	●		●	●	●			●	●	●											●	●							●			●											
Fort Meade Museum (287)			●										●	●		●	●					●																																		
Jewel Cave National Monument (288)			●				●	●					●	●		●	●	●	●		●	●										●	●		●							●						●								
Kampeska Heritage Museum (288)			●													●	●		●		●	●																																		
Oahe Area Recreation/Learning Ctr (288)							●						●			●	●																		●							●	●			●			●							
W. H. Over State Museum (289)			●								●			●		●	●	●	●	●	●	●											●		●							●														
Sand Lake National Wildlife Refuge (289)	●		●		●								●	●		●	●	●	●	●	●	●	●												●							●														
Wind Cave National Park (289)			●		●		●	●					●	●	●	●	●				●	●			●	●							●		●				●			●														
TENNESSEE																																																								
Bays Mountain Park (291)	●		●			●						●		●		●	●	●	●	●	●	●	●			●			●	●			●				●								●											
Camp Easter Seal (291)		●								●			●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●			●		●													●					●				
Center for Env. Educ. at Martin (291)			●				●	●		●			●	●		●	●	●	●	●		●								●					●				●			●				●										
Center for Env. Educ. at Memphis (292)							●				●					●	●			●		●													●			●																		
Chattanooga Audubon Society (292)												●				●	●				●	●													●		●	●	●						●											
Chattanooga Nature Center (292)	●		●		●		●	●	●				●	●		●	●			●	●	●	●			●				●			●	●	●			●				●														
Cheekwood Botanical Gardens (293)			●				●	●		●		●		●	●	●	●																																							
Chenoa Waterfowl (293)	●	●											●			●	●	●	●	●	●	●								●			●																							
Cumberland Science Museum (293)	●					●		●								●	●					●			●							●																					●			
Environ Study Area-Old Hickory Lake (293)	●										●					●	●				●	●																																		
Great Smoky Mountains Inst-Tremont (294)							●	●		●			●			●	●	●	●	●	●	●	●	●								●	●		●		●	●	●			●	●		●	●	●	●		●					●	
Lichterman Nature Center (294)	●		●					●	●		●					●	●	●		●	●	●			●	●	●						●	●	●			●				●			●											
Memphis Pink Palace Museum (294)	●		●			●	●	●			●			●		●	●	●	●	●	●	●	●		●	●		●	●	●		●	●																				●			
Reelfoot National Wildlife Refuge (294)			●										●									●																																		
Upper Cumberland Biological Station (295)							●			●			●					●	●			●	●	●																																
Warriors' Path State Park (295)	●												●			●	●	●	●	●	●	●	●											●	●							●						●	●							
TEXAS																																																								
Anahuac National Wildlife Refuge (297)													●			●	●	●	●	●	●	●													●																					
Armand Bayou Nature Center (297)	●	●	●					●	●			●				●	●	●	●	●	●	●	●			●		●	●	●			●		●	●		●				●			●											
Attwater Prairie-Chicken NWR (297)			●										●		●							●																																		
Austin Nature Center (297)	●		●				●	●	●		●			●	●	●	●	●		●	●	●	●			●		●	●	●		●	●	●	●	●		●	●		●	●			●	●	●		●	●			●			
Benbrook Project Office, Army Corps (298)			●									●										●													●																					
Big Thicket Assn. Museum (298)			●					●					●			●	●				●	●											●																							
Brazosport Mus of Natural Science (298)			●									●				●	●	●			●	●																																		
Central Texas Zoo (298)	●	●	●				●				●					●	●	●		●	●	●	●			●			●	●				●	●										●											
Corpus Christi Museum (299)			●												●	●	●	●			●	●													●			●							●								●			
Dallas Museum of Natural History (299)	●		●			●		●	●		●			●	●	●	●	●	●	●	●	●	●	●	●	●	●			●	●		●		●			●				●			●						●		●			
Dallas Nature Center (299)							●	●				●				●	●	●			●	●											●	●																						
A.M & Alma Fiedler Memorial Museum (300)											●	●			●	●		●				●								●																										
O. C. Fisher Lake (300)																●	●				●	●													●										●											
Fort Worth Nature Center (300)	●		●				●	●	●		●			●	●	●	●	●	●	●	●	●	●			●			●	●		●	●		●										●											
Frontier Times Museum (300)													●			●	●	●	●		●	●																																		
Heard Nat. Sci. Museum & Wild Sancty (301)	●		●				●	●					●	●		●	●	●		●	●	●	●					●					●	●	●	●		●				●			●			●		●			●			
Houston Arboretum and Nature Center (301)			●				●	●	●		●			●		●	●	●		●	●	●						●		●			●		●			●				●			●											
Houston I.S.P. Outdoor Educ. Center (301)		●	●	●	●		●		●	●			●		●	●	●				●	●	●		●	●	●	●	●			●	●		●		●	●	●			●			●		●					●				
Houston Museum of Natural Science (302)	●		●			●	●	●			●		●	●		●	●	●	●	●	●	●	●							●			●		●							●			●	●										
Judge Roy Bean Visitor Center (302)			●										●		●							●																																		

	Facilities										Setting			Staff		Audiences									Special Populations							Programs and Curricula																				Certification				
NAME (PAGE #)	captive wild animals	farm animals	exhibits	recycling center	solar energy construction	planetarium	library	bookstore	greenhouse	overnight lodging	urban	suburban	rural	college interns	multilingual staff	elementary	secondary	undergraduate	graduate	in-service teachers	youth groups	general public	conference groups	adult retreat	hearing impaired	educationally handicapped	vision impaired	mobility impaired	mentally handicapped	gifted and talented	multilingual	adventure education	environmental issues	animal rehabilitation	Project WILD	Earthkeepers	Sunship Earth	OBIS	NEED	Essence	Green Box	Project Learning Tree	REEP	STS	Ranger Rick	Class Project	Project Adventure	Living Lightly in City/Planet	Forest Ser. Proc. Approach	Audubon Adventures	Vol. Teaching Children	ACA	AAM	Urban Wildlife Education	National Study Area	Ins. for Earth Ed. Star Cr
TEXAS (Continued)																																																								
Laguna Atascosa Nat'l Wildlife Ref. (302)			●					●					●		●	●	●	●	●		●	●																																	
Lake Meredith Aquatic/Wildlife Mus. (302)															●	●					●				●																	●												
Pat Mayse Lake, Army Corps (303)													●									●																																		
McAllen International Museum (303)			●								●				●	●	●			●	●	●	●		●	●	●	●	●	●	●																									
Muleshoe National Wildlife Refuge (303)			●									●			●		●			●	●													●										●												
Padre Island National Seashore (303)			●									●	●		●	●	●				●																																	
Santa Ana National Wildlife Refuge (304)			●					●	●			●		●	●	●	●	●	●	●	●	●	●			●			●	●	●		●		●			●				●				●											
Sea Rim State Park - Texas (304)			●									●	●																																										
Smith Visitor Ctr -McKinney Falls (304)			●							●		●				●	●				●	●													●										●												
Strecker Museum (304)	●		●				●	●			●			●		●	●	●		●	●	●								●				●										●									●			
Texas Memorial Museum (305)			●					●			●			●		●	●	●	●	●	●	●													●																		●			
Valley Nature Center (305)			●	●							●						●	●	●				●	●	●										●	●	●															●							
UTAH																																																								
Canyonlands Field Institute (307)													●	●		●	●			●		●										●			●							●					●										
Children's Museum of Utah (307)			●	●							●		●		●					●	●			●	●	●	●	●	●												●												●			
Dinosaur National Monument (307)			●									●			●	●		●		●	●											●												●												
Fish Springs Nat'l Wildlife Refuge (307)													●			●						●																																		
Four Corners School of Outdoor Educ. (308)									●	●			●	●				●	●		●	●		●								●	●																								
Mill Hollow Education Center (308)			●							●			●	●		●	●			●	●	●	●		●	●	●	●	●	●	●	●	●		●							●															
Norwegian School of Nature Life (308)													●			●							●	●									●	●	●	●			●				●							●	●							
Ogden Nature Center (308)	●	●	●		●		●		●		●			●		●	●	●		●	●	●			●	●	●	●	●	●		●	●	●	●							●			●					●							
Red Canyon Visitor Center (309)			●					●		●			●			●	●	●	●	●	●	●	●	●								●																									
State Arboretum of Utah (309)												●					●	●	●	●	●	●	●	●				●			●	●				●																							
Utah Field of Natural History St. Pk. (309)			●									●			●	●	●	●			●																																		
VERMONT																																																								
Fairbanks Museum/Planetarium (311)	●		●			●		●			●			●	●	●	●	●		●	●	●										●	●	●							●								●				●			
Green Mountain Audubon Nature (311)			●	●			●	●					●			●	●	●			●	●					●										●														●							
Keewaydin Environmental Educ. Center (311)													●			●				●	●		●	●										●																			●					
Merck Forest & Farmland Center (311)		●	●		●									●	●		●	●	●	●	●	●	●																																
Missisquoi National Wildlife Refuge (312)													●			●						●																																		
Montshire Museum (312)			●					●					●	●		●	●	●		●	●	●										●																						●			
Vermont Instit of Natural Science (312)	●		●				●	●		●			●	●		●	●	●	●	●	●	●											●	●	●			●				●			●											
VIRGINIA																																																								
Burgundy Ctr for Wildlife Studies (313)	●		●				●	●		●			●				●								●						●			●	●	●			●	●				●			●												
Chincoteague Nat'l Wildlife Refuge (313)			●											●		●	●	●			●	●				●		●		●						●							●				●											
Chippokes Plantation State Park (313)		●	●									●			●	●	●			●	●	●												●			●				●														
False Cape State Park (313)										●			●				●	●		●	●													●		●																					
Hidden Oaks Nature Center (314)	●		●								●			●	●	●	●		●		●	●		●	●	●	●	●	●	●		●	●	●						●			●											
Hidden Pond Nature Center (314)	●		●								●				●	●				●	●											●	●	●							●													
Huntley Meadows Park (314)			●								●					●	●	●	●	●	●	●	●													●			●						●												
Lake Anna State Park (314)			●									●			●	●				●	●																																		
Laurel Ridge Conservation Ed. Ctr. (315)			●	●			●	●				●		●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●			●		●						●			●	●										
Long Branch Nature Center (315)	●	●	●								●				●	●	●	●			●	●	●										●		●						●													
Mason Neck State Park (315)			●									●			●	●	●		●	●	●												●		●					●			●		●		●								
Natural Tunnel State Park (315)													●			●	●	●		●		●													●																				
Norfolk Botanical Gardens (316)			●				●	●	●			●				●	●	●			●	●	●	●			●		●																										
Potomac Overlook Regional Park (316)	●		●	●							●		●		●	●	●		●	●	●										●		●																					
Richmond Children's Museum (316)			●							●				●		●		●		●	●	●																																	

NAME (PAGE #)	Facilities										Setting			Staff		Audiences									Special Populations							Programs and Curricula																				Certification				
	captive wild animals	farm animals	exhibits	recycling center	solar energy construction	planetarium	library	bookstore	greenhouse	overnight lodging	urban	suburban	rural	college interns	multilingual staff	elementary	secondary	undergraduate	graduate	in-service teachers	youth groups	general public	conference groups	adult retreat	hearing impaired	educationally handicapped	vision impaired	mobility impaired	mentally handicapped	gifted and talented	multilingual	adventure education	environmental issues	animal rehabilitation	Project WILD	Earthkeepers	Sunship Earth	OBIS	NEED	Essence	Green Box	Project Learning Tree	REEP	STS	Ranger Rick	Class Project	Project Adventure	Living Lightly in City/Planet	Forest Ser.-Proj. Approach	Audubon Adventures	Vol. Teaching Children	ACA	AAM	Urban Wildlife Education	National Study Area	Ins. for Earth Ed Sher. Cr
VIRGINIA (Continued)																																																								
Riverbend Nature Center (316)	●		●				●	●				●		●		●	●				●	●													●							●			●		●									
Seashore State Park (317)			●					●		●		●				●	●				●	●																																		
Shepherd's Ford Center (317)										●			●				●	●	●	●	●	●	●	●																																
Sky Meadows State Park (317)			●										●			●	●				●	●													●			●																		
Staunton River State Park (317)			●							●			●			●	●				●	●																																		
Twin Lakes State Park (318)										●			●			●	●	●			●	●	●												●										●							●				
Virginia Living Museum (318)	●		●			●	●		●			●				●	●			●	●	●			●	●			●	●			●		●			●				●			●	●	●			●			●			
Virginia Museum of Natural History (318)			●				●	●				●				●	●	●	●	●		●	●					●																												
Vernon J. Walker Nature Educ. Center (319)			●									●		●		●	●			●	●	●													●							●			●											
Walney Visitor Center/Lawrence Park (319)			●	●			●	●	●			●				●	●				●	●											●		●							●			●											
WASHINGTON																																																								
Black Lake, Genesis Account (321)				●				●		●			●	●		●	●	●	●	●	●	●	●	●					●			●	●																							
Chinook Learning Center (321)								●		●			●									●	●	●																																
Cornet Bay Environ Learning Center (321)										●			●			●	●	●			●	●	●	●																		●														
Discovery Park (321)	●		●					●			●					●	●			●	●	●	●					●					●	●				●				●			●										●	
Federation Forest State Park (321)			●										●			●	●	●			●	●													●							●														
Flagler (Fort) State Park (322)										●			●			●	●	●	●	●	●	●	●	●																																
Ginkgo Petrified Forest State Park (322)			●										●			●	●	●	●	●	●	●																																		
Hanford Science Center (322)			●				●				●				●	●	●	●	●	●	●	●	●										●																							
Lake Wenatchee YMCA Camp (322)										●				●		●	●				●		●	●																		●														
Libby-Albeni Falls Project (322)			●										●		●	●	●			●	●	●			●										●			●							●											
Marine Science Center (323)	●		●				●					●				●	●	●	●	●	●	●	●			●			●	●			●		●							●			●											
Metro (323)											●					●	●	●																																						
North Cascades National Park (323)			●											●		●	●				●	●						●					●		●																					
Olympic Park Institute (323)										●			●			●	●	●	●	●	●	●		●			●		●	●		●	●	●	●		●	●				●			●											
Pacific Science Center (323)			●			●		●			●			●		●	●				●	●			●					●																										
Padilla Bay Nat Estuarine Reserve (324)			●		●		●						●		●	●	●	●	●	●	●	●	●							●			●		●			●							●											
Whale Museum (324)			●				●	●					●	●		●	●		●	●		●											●																							
Wynoochee Lake Project, Army Corp (324)													●			●	●				●	●																																		
WEST VIRGINIA																																																								
A.B. Brooks Nature Center (325)			●			●	●	●				●		●		●	●			●	●	●								●			●			●	●	●						●												
Jennings Randolph Lake (325)													●			●	●	●				●																																		
Oglebay's Good Children's Zoo (325)	●	●	●			●			●	●		●		●		●	●			●	●	●	●	●		●		●	●	●			●	●	●		●						●													
Seneca Rocks Visitor Center (325)			●					●					●	●		●	●	●			●	●															●					●							●							
WISCONSIN																																																								
Apostle Islands National Lakeshore (327)			●				●	●					●			●	●	●	●		●	●											●		●			●				●														
Bay Beach Wildlife Sanctuary (327)	●		●	●			●	●	●		●			●		●	●	●	●	●	●	●	●		●	●	●	●	●	●			●	●	●			●				●			●	●		●								
Beaver Creek Reserve (328)	●		●				●	●		●			●	●		●	●	●		●	●	●	●	●								●	●		●		●	●			●	●			●		●		●							
Blackhawk Lake Recreation Area (328)			●	●	●								●	●		●					●	●	●					●			●				●							●			●											
Calbe Natural History Museum (328)			●				●						●	●	●	●	●	●		●	●	●	●										●																							
Camp 5 Museum Foundation Inc. (328)		●	●										●	●		●	●				●	●										●			●							●			●		●	●	●	●			●			
Camp Minikani - YMCA (329)										●			●			●	●	●		●	●		●	●								●				●	●										●					●				
Camp U-NAH-LI-YA (329)				●						●			●	●		●	●				●	●	●	●								●			●												●					●				
Camp Wowitan - YMCA (329)										●			●			●	●	●		●	●		●	●								●				●	●										●					●				
Central Wisconsin Environ Station (330)					●		●			●			●	●		●	●	●	●	●	●	●	●	●		●			●	●		●	●		●			●				●			●	●		●	●							
Devil's Lake State Park (330)			●										●			●	●	●	●	●	●	●																																		
Edwards YMCA Camp & Conference Ctr (330)							●			●			●			●	●				●	●	●	●											●		●					●			●							●				
Fallen Timbers Environmental Center (330)			●		●				●	●			●	●		●	●	●		●	●	●		●									●		●							●				●										

NAME (PAGE #)	Facilities										Setting			Staff		Audiences									Special Populations							Programs and Curricula																				Certification				
	captive wild animals	farm animals	exhibits	recycling center	solar energy construction	planetarium	library	bookstore	greenhouse	overnight lodging	urban	suburban	rural	college intern	multilingual staff	elementary	secondary	undergraduate	graduate	in-service teachers	youth groups	general public	conference groups	adult retreat	hearing impaired	educationally handicapped	vision impaired	mobility impaired	mentally handicapped	gifted and talented	multilingual	adventure education	environmental issues	animal rehabilitation	Project WILD	Earthkeepers	Sunship Earth	OBIS	NEED	Essence	Green Box	Project Learning Tree	REEP	STS	Ranger Rick	Class Project	Project Adventure	Living Lightly in City/Planet	Forest Ser. Prog. Approach	Audubon Adventures	Vol. Teaching Children	ACA	AAM	Urban Wildlife Education	National Study Area	Ins. by Earth Ed. Shar. Ctr
WISCONSIN (Continued)																																																								
First Capitol-Belmont Mound St Park (331)			●										●			●	●					●																																		
Gordan Bubolz Nature Preserve (331)			●	●	●		●	●	●	●	●		●			●	●	●		●	●	●	●	●		●	●	●	●		●			●	●		●	●				●			●											
Hawthorn Glen Outdoor Ed. Center (331)	●		●								●					●						●													●		●	●				●			●			●								
Hawthorn Hollow Nature Sanct/Arbor (331)													●			●				●	●	●																																		
Hixon Forest Nature Center (331)			●													●	●	●		●	●	●	●			●			●			●	●	●	●																					
International Crane Foundation (332)	●		●				●				●			●		●	●	●	●	●	●	●	●	●									●																							
Jordan Park Nature Center (332)	●		●										●			●		●			●	●			●	●		●					●					●																		
MacKenzie Envir. Educ. Center (332)	●		●				●			●			●			●	●	●	●	●	●	●	●	●		●	●	●	●				●		●	●	●	●				●				●		●	●							
Marsh Haven Nature Center (332)													●			●	●				●	●										●		●	●															●						
Ellwood H. May Environmental Park (333)			●				●					●		●		●	●	●		●	●	●	●										●	●	●							●														
Milwaukee Public Museum (333)			●								●			●	●	●	●	●	●	●	●	●	●	●	●		●	●			●																						●			
Mining Museum & Rollo Jamison (333)			●								●			●		●						●																																		
Mirror Lake State Park (333)													●									●						●	●						●							●			●											
Mosquito Hill Nature Center (334)			●				●	●					●	●		●	●	●	●	●	●	●				●	●	●	●	●		●	●		●		●	●				●			●			●		●						
Museum of Natural History (334)	●		●					●								●	●	●	●		●	●																																		
Norskedalen (334)			●				●						●		●	●	●	●	●		●	●	●	●	●		●	●						●	●										●											
Sigurd Olson Environmental Instit (334)					●								●	●		●	●	●	●	●	●	●	●	●									●		●							●														
Riveredge Nature Center (335)							●	●					●	●	●	●	●	●		●	●	●	●					●		●			●		●							●														
Schlitz Audubon Center (335)			●	●			●	●			●			●		●	●	●	●	●	●	●	●									●	●		●							●						●		●						
St. Crois Environmental Center (335)			●	●						●			●			●	●						●	●								●	●		●		●								●							●				
Thousand Islands Environmental Ctr (335)	●		●	●	●							●		●		●	●	●		●	●	●	●	●									●	●	●			●				●			●			●								
Timber-Lee Christian Center (336)	●	●	●					●		●			●	●		●	●	●		●	●	●	●	●								●	●		●	●		●	●			●			●			●	●							
Tower Hill State Park (336)			●										●	●		●	●	●			●	●																																		
Treehaven Field Station (336)										●			●	●		●	●	●	●	●	●	●	●	●									●		●							●														
Trees for Tomorrow (336)			●				●			●		●		●		●	●	●	●	●	●	●	●	●				●	●	●			●	●	●			●				●						●								
UW-Madison Arboretum (337)			●		●		●	●			●					●	●	●	●	●	●	●	●	●																																
Upham Woods 4-H Environ Educ Ctr (337)			●				●			●			●	●		●					●		●												●							●										●				
Wausau School Forest (337)			●				●			●			●			●				●		●	●	●								●	●		●			●				●														
Wehr Nature Center (337)	●		●	●				●				●				●	●	●		●	●	●											●		●							●								●						
West Shores Interpretive Center (338)			●				●						●	●		●	●	●	●	●	●	●										●	●		●	●	●					●			●	●										
Wild Rose Fish Hatchery (338)			●										●			●	●	●	●		●	●																																		
George Williams College (338)		●	●							●				●		●	●	●	●	●	●		●	●		●			●	●		●			●			●				●			●			●	●						●	
WYOMING																																																								
Buffalo Bill Historical Center (339)			●				●	●					●	●	●	●	●	●	●	●	●	●	●				●			●	●																									
Dubois Museum (339)			●					●					●			●	●					●																																		
Expedition Yellowstone (339)			●				●	●		●			●			●																	●		●		●	●				●														
Grand Teton National Park (340)			●					●		●			●	●								●																																		
Teton Science School (340)			●				●	●					●	●		●	●	●	●	●	●	●	●	●									●																							

NAME (PAGE #)	Facilities										Setting			Staff		Audiences									Special Populations							Programs and Curricula																				Certification				
	captive wild animals	farm animals	exhibits	recycling center	solar energy construction	planetarium	library	bookstore	greenhouse	overnight lodging	urban	suburban	rural	college interns	multilingual staff	elementary	secondary	undergraduate	graduate	in service teachers	youth groups	general public	conference groups	adult retreat	hearing impaired	educationally handicapped	vision impaired	mobility impaired	mentally handicapped	gifted and talented	multilingual	adventure education	environmental issues	animal rehabilitation	Project WILD	Earthkeepers	Sunship Earth	OBIS	NEED	Essence	Green Box	Project Learning Tree	REEP	STS	Ranger Rick	Class Project	Project Adventure	Living Lightly in City/Planet	Forest Ser. Proc. Approach	Audubon Adventures	Vol. Teaching Children	ACA	AAM	Urban Wildlife Education	National Study Area	Ins. for Earth Ed. Shar. Cir
ALBERTA																																																								
Astotin Interpretive Center (341)			●					●					●	●		●	●	●	●			●													●			●				●														
Beaverhill Bird Observatory (341)										●			●	●	●	●	●	●	●			●	●										●	●																						
Fish Creek Provincial Park (341)			●								●					●	●				●	●	●										●																							
John Janzen Nature Centre (341)	●		●								●			●		●				●	●	●													●	●	●	●				●			●											
Muskoseepi Park (342)			●					●			●					●					●	●	●										●		●		●								●											
Helen Schuler Coulee Centre (342)			●								●				●	●	●			●	●	●	●			●	●	●	●		●		●		●		●								●											
Kerry Wood Nature Centre (342)	●		●				●	●				●	●		●	●	●	●			●	●	●							●				●	●			●							●											
BRITISH COLUMBIA																																																							
Blue Lake Forestry Centre (343)										●			●			●	●				●	●		●											●							●										●				
British Columbia Forestry Assn. (343)			●							●			●			●	●	●		●	●	●	●	●									●	●									●														
Camp Thunderbird Outdoor Ctr (343)		●				●				●			●		●	●	●				●	●		●					●				●	●			●	●					●					●										●
Creston Valley Wildlife Centre (343)			●					●					●			●	●	●	●	●	●	●	●												●																					
Evans Lake Forestry Assn. (343)										●			●	●		●	●	●		●	●			●									●			●							●														
Lynn Canyon Ecology Centre (343)			●				●						●	●		●	●	●	●	●	●	●			●	●	●	●	●	●	●		●																							
Mount Robson Provincial Park (344)			●										●			●	●				●	●																																		
North Vancouver Outdoor School (344)		●					●						●		●	●	●	●	●	●	●	●	●	●	●	●		●	●	●	●		●	●	●			●				●			●		●									
Rogers Pass Centre (344)			●				●	●		●			●		●							●											●		●																					
Silver Lake Forestry Centre (344)			●							●			●	●		●	●	●		●	●			●											●							●														
Swan Lake Christmas Hill Nature Center (344)			●								●					●	●			●	●	●																																	
MANITOBA																																																							
Fort Whyte Centre for Environ. Education (345)			●	●			●	●				●			●	●	●	●		●	●	●										●		●		●							●														
Living Prairie Museum (345)				●							●					●	●	●		●	●	●													●			●				●														
Manitoba Museum of Man and Nature (345)			●			●	●	●								●	●	●	●	●	●	●	●																																
Whiteshell Provincial Park (345)										●			●		●						●	●																																		
NEW BRUNSWICK																																																							
Aquarium and Marine Centre (347)			●					●						●	●	●	●				●	●	●																																	
City of Frederickton (347)	●										●					●	●				●	●	●	●	●	●		●	●																											
Sackville Waterfowl Park (347)							●	●		●				●								●																																		
Sunbury Shores Arts and Nature Centre (347)			●				●						●	●		●				●		●		●									●																						
ONTARIO																																																							
Apps Mill/Grand River Conservation (349)	●		●					●					●	●		●	●	●		●	●	●	●						●	●	●					●			●																		
Bethune Memorial House (349)			●								●				●	●	●	●				●			●		●																													
Boyne River Natural Science School (349)				●					●	●			●	●	●	●	●			●	●		●		●	●				●	●	●	●		●												●									
Cedar Glen Outdoor Ed. Centre (349)		●								●			●		●	●	●									●			●	●	●		●		●		●	●				●														
Elgin County Outdoor Education Centre (350)			●										●			●	●																●		●		●																			
Forest Valley Outdoor Education Centre (350)			●				●					●			●	●	●						●		●	●	●	●	●	●	●	●	●		●		●	●		●																
Leslie Frost Natural Resources Centre (350)			●				●			●			●		●	●	●	●		●	●	●											●		●																					
Ganaraska Forest Centre (350)										●			●	●		●	●				●												●		●		●																			
Guelph Lake Interpretive Center (350)	●		●					●					●		●	●	●				●	●									●	●	●	●	●										●											
Lorne C. Henderson Conservation Area (351)			●										●			●						●											●		●		●																			
Kortright Centre for Conservation (351)			●		●			●				●	●			●	●				●	●	●										●																							
Longwoods Road Conservation Area (351)			●							●			●	●		●	●	●	●	●	●	●											●		●										●											
MacGregor Point Provincial Park (351)													●									●													●																					
MacSimming Outdoor Education Centre (352)		●								●			●	●	●	●	●								●	●	●	●	●	●			●		●										●											
Jack Miner Migratory Bird Found. (352)													●	●		●	●	●	●	●	●	●		●									●																							
Ministry of Natural Resources (352)																																																								

	Facilities										Setting			Staff		Audiences									Special Populations							Programs and Curricula																				Certification				
NAME (PAGE #)	captive wild animals	farm animals	exhibits	recycling center	solar energy construction	planetarium	library	bookstore	greenhouse	overnight lodging	urban	suburban	rural	college interns	multilingual staff	elementary	secondary	undergraduate	graduate	in service teachers	youth groups	general public	conference groups	adult retreat	hearing impaired	educationally handicapped	vision impaired	mobility impaired	mentally handicapped	gifted and talented	multilingual	adventure education	environmental issues	animal rehabilitation	Project WILD	Earthkeepers	Sunship Earth	OBIS	NEED	Essence	Green Box	Project Learning Tree	REEP	STS	Ranger Rick	Class Project	Project Adventure	Living Lightly in City/Planet	Forest Ser. Prec. Approach	Audubon Adventures	Vol Teaching Children	ACA	AAM	Urban Wildlife Education	National Study Area	Ins. for Earth Ed. Sher. Ctr
ONTARIO (Continued)																																																								
Mono Cliffs Outdoor Ed. Centre (352)		●	●							●			●		●	●	●	●	●	●	●		●			●	●	●		●	●	●	●		●																					
Muskoka Board of Education (353)										●			●			●	●			●	●								●	●																											
National Capital Commission (353)										●			●		●	●	●					●	●										●																							
Ontario Science Centre (353)			●			●		●						●		●	●	●	●			●	●																																	
Pine River Outdoor Education Centre (353)									●	●			●		●	●	●			●	●		●										●	●	●										●											
Point Pelee National Park (354)			●					●					●			●	●	●	●	●	●	●	●	●																																
Rondeau Provincial Park (354)			●				●						●	●		●	●				●	●											●		●																					
Royal Botanical Gardens Nature Centre (354)			●									●		●		●	●	●		●	●	●													●																					
Scarborough Board of Education (354)		●					●			●			●		●	●	●																●		●			●																		
Sheldon Centre for Outdoor Education (354)		●					●						●	●	●	●	●									●				●	●	●	●		●		●	●				●			●		●			●						
South Nation River Conserv. Authority (355)			●	●			●					●	●		●	●	●				●	●	●			●					●		●		●							●														
Taquanyah Nature Centre (355)			●										●	●	●	●	●			●	●	●											●	●	●																					
Tiffin Centre for Conservation (355)			●				●	●					●			●	●				●	●	●									●	●		●		●								●											
Toronto Urban Studies Centre (356)			●	●							●				●	●	●			●			●										●																							
Voyageur Interpretive Center (356)			●							●			●	●	●	●	●				●	●											●																							
Waterloo County Bd. (356)				●									●		●																																								
Waterloo Region R.C. School Board (356)													●	●	●	●	●	●		●	●	●						●		●	●		●	●	●		●	●				●			●											
Wildwood Conservation Area (356)			●										●	●	●	●	●				●	●											●		●																					
Wye Marsh Wildlife Centre (357)			●					●					●		●	●	●	●	●		●	●	●			●			●	●			●		●																					
QUEBEC																																																								
Ctr. Educ. Forestier de Duchesnay (359)			●				●		●	●			●		●	●		●	●	●	●	●																				●			●											
Lirands-Jardins Park (359)																●						●	●	●																															
Parc de la Jacques-Cartier (359)			●										●	●	●	●		●			●	●		●										●																					
SASKATCHEWAN																																																								
Beaver Creek Conservation Area (361)			●										●		●	●		●		●	●	●	●		●	●	●	●	●	●	●		●		●									●	●											
Condie Nature Refuge (361)			●										●			●	●				●	●																																		
Meewasin Valley Centre (361)			●					●			●					●				●	●	●	●																										●								
Prince Albert Nat'l Park Nature Centre (361)			●					●		●	●				●	●	●	●		●	●	●	●										●		●		●	●				●			●											
Saskatchewan Parks, Rec. & Culture (361)			●				●						●			●	●	●	●	●	●	●	●	●								●	●		●							●														

Appendix B:
Curricula and/or Programs

- Audubon Adventures
- The Class Project
- Earth Keepers & Sunship Earth
- ESSENCE
- Green Box
- Living Lightly In the City/On the Planet
- OBIS
- Project Learning Tree
- Project Wild
- REEP

NOTE: The above, we realize, does not represent all the curricula available for use in natural science centers. Other educational packages will be given review in subsequent editions of this Directory.

If you have produced or know of a curriculum deserving national distribution, please call it to NSYF's attention.

AUDUBON ADVENTURES

The National Audubon Society has enjoyed a long tradition as a national leader in conservation and environmental education. Several million children learned about the natural world through their participation in the former Junior Audubon Clubs during the course of several earlier decades. The Society is now proud to present an updated and timely education program for young people, which is available through the efforts of the more than 500 Audubon Chapters throughout the United States.

Audubon Adventures, the youth education program of the National Audubon Society, is for elementary school classes, and other groups of children in grades 3-6. Developed and written by professional educators with a special interest in environmental education, **Audubon Adventures** is issued on a bimonthly basis and the subscription period coincides with the school year. An enrolled class receives **Audubon Adventures** newspaper for children (up to 32 copies per subscription), the companion Leader's Guide of background information and activity ideas for the teacher, as well as student membership cards and decals. The class is issued a certificate of participation, suitable for framing and hanging. Each April, Adventures classes celebrate Audubon month with a poster and activity guide provided through membership in the program.

Audubon Adventures covers a wide range of topics, with a mix of conceptually oriented as well as more specific reading matter. The timely, relevant feature stories and activities are suitable for both short range and long term in-depth and cross-curricular studies.

Some of the subjects that have been covered in **Audubon Adventures** include: Hawks, Owls, Animal Tracks, Wetlands, Ducks, Animals That Use Cavities, The Nesting Season, Constellations, Conifers, The Bald Eagle, The Wild Turkey, Fruits, Nature's Harvest, Mollusks, Tropical Rainforests.

Currently, 300,000 children in 11,000 classrooms are participating in this exciting program. Most important is the focus with minority children. More than 50,000 minority children are enrolled through a special effort in the major cities.

For information on this exciting program contact: Registrar, Audubon Adventures, National Audubon Society, 613 Riversville Road, Greenwich, CT 06831.

NATIONAL WILDLIFE FEDERATION

Besides being a staunch protector of the environment, and publishing **National Wildlife** and **International Wildlife** magazines, the National Wildlife Federation offers many educational materials for use in teaching children about the natural world.

NatureScope is a series of 15 volumes, each with a different nature study focus. Designed for elementary students, each volume contains dozens of "ready-to-go" ideas and activities, both indoor and outdoor, including "Copycat" pages of puzzles, mazes, etc.

Each volume costs $6.00, although a special "6-pack" is available for only $30.00, and the entire 16 volume library may be purchased for only $79.00. (See address below)

National Wildlife also publishes **Ranger Rick** (for elementary students) and **Your Big Backyard** (for preschoolers) monthly magazines. Both contain beautifully illustrated stories and articles for youngsters.

Ranger Rick costs $14.00/year, which includes membership card and sticker, and discounts on books and records. **Your Big Backyard** runs $10.00/year, and includes a parent/teacher letter suggesting ways to teach young people using the magazine.

National Wildlife Federation's CLASS Project (Conservation Learning Activities for Science and Social Studies) was developed to enhance existing middle school Science and Social Studies curricula. The investigations are centered around six content areas: energy use, environmental issues, forest watershed management, hazardous substances, wetlands, and wildlife habitat. Materials enclosed in the CLASS Project three-ring binder include: illustrations, student worksheets, teacher transparency worksheets, and six color posters. The CLASS Project encourages educators to teach environmental education by integrating the investigations into existing desciplines.

CLASS Project has just been reprinted and is available now. The materials can be obtained by including a check for $8.00 plus $3.25 postage and handling with your order. Send your order directly to: School Programs, The National Wildlife Federation, 8925 Leesburg Pike, Vienna, VA 22184-0001.

In addition to these, National Wildlife also offers a number of educational books learning kits, and videos. For more information, or to order any of the above merchandise, contact: National Wildlife Federation, 1400 Sixteenth, NW, Washington, D.C., 20036-2266, (800) 432-6564.

SUNSHIP EARTH/EARTHKEEPERS

Sunship Earth and **Earthkeepers** are programs that were developed by the Institute for Earth Education. Both are offered to be used as part of a complete environmental education program, not as supplements to existing school curriculum.

Sunship Earth, a five day program for upper elementary students, focuses on key ecological concepts by setting up a "Sunship Study Station", in which the students are given passports to be stamped as they move through different stations. The book **Sunship Earth** not only describes the workings of the program, but the underlying philosophy used in the preparation of Earth Education materials. It sells for $13.50 plus shipping and handling. A complete Sunship Study Station Program Package, including duplication masters and teacher briefing sheet and cue cards runs $250, plus shipping.

Earthkeepers is a two and a half to three day program for learners who are 10-12 years old. The learners must earn special keys that open real locks on boxes that contain secret meanings about "E.M.", a mysterious, unseen character who shares the marvels and wonders of the earth. Two of the four keys must be earned back at school, and the ultimate goal of Earthkeepers is for students to gain understanding about how life functions ecologically on earth, and how they are both a part of our environmental problems and their solutions. The cost for the **Earthkeepers** book is $11.45.

Both books, plus more information on new Earth Education programs and publications may be obtained by writing: The Institute for Earth Education, Box 288, Warrenville, IL 60555.

ESSENCE

The **ESSENCE** materials, formerly known as "Environmental Studies", were developed in the early seventies by joint sponsorship of the American Geological Institute and the National Science Foundation. **ESSENCE** deals mostly with attitudes towards learning, classroom environment, teacher-student trust, and student freedom in determining learning directions.

The **ESSENCE** materials consist of several compilations of brightly illustrated cards with suggested actions that leave much to the student's imagination and creativity. For example, one card's action states "Go outside and find joy in your environment." Many of the actions involve some type of expression on the part of the student, such as drawing or acting out their experience. The activities were designed to be "transdisciplinary," i.e. allowing the students to decide which direction to take the assignments, and "trans-grade level," used with students from elementary school through college.

According to Addison-Wesley Publishing Company, **ESSENCE** has been out of print for several years. Additional information may be gained by contacting: ESSENTIA, Evergreen State College, Olympia, WA 98505, (206) 866-6784.

THE GREEN BOX

The **Green Box** contains an "open access curriculum" for environmental education, emphasizing humanistic principles of learning, with the goal of nurturing children to become "environmentally healthy adults". Toward this objective, **Green Box** constructs a curriculum system for grades K-8, geared to the processes of learning as well as to the content. One hundred seventy-eight illustrated and durable activity cards, provide doing, thinking, and showing experiences that employ school and classroom settings, environmental sites in the community, and outdoor wilderness environments. Students are encouraged to open the box themselves and cycle through the sequence of Do, Think, and Show activities on their own, in small groups (six-packs), or as a class. The fall of 1989 will see 40 new activities addded to the program dealing with global issues.

The Green Box is available for $80.00 plus postage. A sample of activities costs only $3.00. For ordering, or more information, contact: Humboldt County Office of Education, Environmental Education Program, 901 Myrtle Ave., Eureka, CA 95501, (707) 445-7082.

LIVING LIGHTLY
IN THE CITY
AN URBAN ENVIRONMENTAL EDUCATION CURRICULUM

LIVING LIGHTLY IN THE CITY /ON THE PLANET

"Living Lightly in the City", Volumes I and II, were inspired by urban children and written for students in both suburban and urban communities. These two volumes contain a variety of activity ideas and resource materials to help urban children bridge the gap between the world of nature and their own urban centered environment. Volume I is geared towards grades K-3, and concentrates on stimulating primary grade children to explore their surroundings, through exciting activities. Volume II focuses on grades 4-6, and covers a broad range of topics to help teachers infuse environmental studies into the existing curriculum.

"Living Lightly on the Planet" Volumes I and II, were designed to inform and motivate Jr. and Sr. high students. Both volumes contain activities that were created to be used in existing science and social studies classes. Volume I, for grades 7-9, concentrates on understanding of global issues, such as population concerns and land issues. Volume II, for grades 10-12, emphasizes applying knowledge of environmental problems with responsible human actions and person lifestyles.

Each of the four volumes comes in a three-ring binder, and contains not only lesson plans, but student worksheets and transparencies as well. The volumes cost $17.00/each, plus $2.00 shipping. To order, or for more information, contact: Schlitz Audubon Center, 1111 E. Brown Deer Rd., Milwaukee, WI 53217, (414) 352-2880.

OBIS (Outdoor Biology Instructional Strategies)

The University of California at Berkeley developed **OBIS** as a quick and easy supplement for a science program. The activities are geared for ages 10-15, although most can be modified for higher and lower levels, and one packet is designed for 8-11 year olds. All can be accomplished with common, everyday items, and in almost any outdoor setting.

The **OBIS** program is presented as a series of packets (each in a plastic carrying pouch), with each packet containing 6-9 activities geared towards a specific theme (such as forests, or wintertime, etc.), and a leader's guide. The activities are printed on separate folders, and are consistently formatted with background information, materials and preparation, action, follow-up questions, and suggestions for further study.

Each of the 26 packets costs $17.75, or all 97 activities can be purchased for $212.80. A special introductory sampler may be purchased for $6.00. For more information and ordering, contact: Delta Education, Inc., P.O. Box M, Nashua, NH 03061, (800) 258-1302.

PROJECT LEARNING TREE

Project Learning Tree is a interdisciplinary, supplementary program designed to provide students with opportunities to explore the existence of renewable and non-renewable resources, and human dependence on them. The activities can be used as a basis for a course of study, or used as supplements to existing curriculum.

Each of the two volumes of Project Learning Tree (one for grades K-6, another for 7-12) contains over 80 activities, organized around a Curriculum Framework of seven key principles, starting with Environmental Awareness, and culminating with lifestyles, with the goal of making students aware of their own personal choices and actions towards environmetnal resources. Both volumes contain extensive bibliographies and resource lists, as well as several indexes for ease in finding activities and a glossary of terms.

Project Learning Tree books are free of charge, but must be obtained by attending a training workshop, usually through a state-sponsored program. For more information, contact: The American Forest Institute, 1619 Massachusetts Ave., N.W., Washington, D.C. 20036, (202) 463-2468.

PROJECT WILD
(Wildlife in Learning Design)

Developed as a joint venture of the Western Association of Fish and Wildlife Agencies (WAPAWA) and the Western Regional Environmental Education Council (WREEC), **Project WILD** is an interdisciplinary, supplementary environmental and conservation education program for educators of kindergarten through high school age young people. WILD was designed for easy integration into school subject and skill areas, and each activity may be used individually, or in conjunction with others. In addition, each activity fits into a well defined conceptual framework designed to take the learner from awareness and appreciation of wildlife to responsible human actions.

Each of the two original volumes (elementary and secondary) offers more than eighty activities, while the newer Aquatic WILD (for grades K-12) contains forty, plus ways to modify eighty of the original WILD activities to emphasize animals that live in association with a water environment. All three books contain an elaborate cross referencing index, allowing teachers to easily find appropriate activities. The activities are each consistently laid out with a standard format.

There is no cost for **Project WILD** materials, but they must be obtained by attending a training session. The sessions and materials are state sponsored, usually through a fish and wildlife or department of natural resources agency. For more information, contact: Project WILD, Salina Star Route, Boulder, CO 80302, (303) 444-2390.

REEP

The **Regional Environmental Education Program (REEP)**, administered by the Schuylkill Center for Environmental Education in Philadelphia, is a kindergarten through grade 12 environmental education curriculum written by teachers, for teachers. It has been endorsed by the PA Department of Education as meeting the state's mandate for environmental education.

More than 200 teachers in PA and NJ have been extensively involved in developing and piloting the units. Each grade level unit focuses on one ecological concept (cycles, adaptations, communities or energy), with concepts being first introduced in the elementary grades, and then repeated in more depth at higher levels for continuity across the curriculum.

Although **REEP** contains activities from Project WILD, Project Learning Tree and OBIS, among others, it differs from the above in that it is a curriculum, with a definite scope and sequence, rather than a collection of activities. Sequential learning within each unit involves experiences in the awareness, concept building, lifestyle analysis and personal action components of worksheets, teacher resource pages, unit evaluation, glossary and bibliography. Each lesson provides a list of concepts, objectives, time, site and materials needed. Although classroom-focused, one lesson in each unit involves an outdoor experience.

Since the **REEP** curriculum utilizes a conceptual approach to teaching/learning, it may be implemented anywhere. A variety of effective instructional techniques is employed, including simulations, creative dramatics, storytelling, role playing, puppetry, guided imagery, and firsthand outdoor experiences, among others.

For more information, contact Nancy Christie, Schuylkill Center, 8480 Hagy's Mill Road, Philadelphia, PA 19128, (215) 482-7300.

Appendix C:
Professional Organizations

- American Association of Museums (AAM)
- American Nature Study Society (ANSS)
- Association of Nature Center Administrators (ANCA)
- Conservation Education Association (CEA)
- Institute for Earth Education (IEE)
- National Association of Interpretation (NAI)
- Natural Science for Youth Foundation (NSYF)
- North American Association for Environmental Education (NAEE)
- Project Adventure, Inc. (PA)

NOTE: Other organizations serving the needs of people working at natural science centers may exist. If your group is seeking a national constituency, please contact the NSYF.

We'll help spread the word!

AAM: The American Association of Museums is a nonprofit, national service organization which has promoted museums as major cultural resources and represented the interests of the museum profession on a national level since its founding in 1906. The association has a membership of 10,500. Its 2,300 institutional members include art, history, science, natural history and youth museums, zoos, aquariums, botanical gardens, planetariums and libraries, science-technology centers and art centers. The association's 7,200 individual members are representative of the museum occupations from directors, curators, registrars, trustees, conservators, and educators, to public relations and development officers, museum shop representatives, security personnel, and volunteers.

The primary goal of the American Association of Museums is to lead the effort to maintain *professional standards* by improving the quality of museum programs, operations and the training of personnel. The AAM is a representative of and an advocate for museums, promoting understanding of the responsibilities, functions, and needs of museums.

The association provides professional development opportunities through publications and meetings for museum professionals, trustees, and volunteers. In all of its endeavors AAM works cooperatively with related groups to advance the support and understanding of the total museum community.

The American Association of Museums, 1225 Eye Street, NW, Washington, D.C. 20005, (202) 289-1818, Fax (202) 289-6578.

ANSS: Since 1908, the American Nature Study Society (ANSS) has helped millions of people to learn about our natural world. Through both Society publications and those of its members, the public has gained a deeper appreciation for nature, and tens of thousands of teachers and educators have gained from ANSS workshops and field trips.

Membership benefits include information on meetings and field trips, as well as conferences co-hosted with other regional, national, and continental affiliates. ANSS publishes the journal Nature Study, as well as a quarterly newsletter. Cost of memberships are: $35 - Sponsor; $25 - Contributing; $18 - Family; $15 - Sustaining; $10 - Student or Retired; $15 - Library; $250 - Life member.

For more information, contact: John Gustafson, 5881 Cold Brook Road., Homer, NY 13077, (607) 749-3655.

ANCA: Association of Nature Center Administrators was formed to address the professional needs of nature center administrators. It is ANCA's intention to act as a forum for improving communications among nature center administrators, government agencies and other nature center-oriented organizations.

ANCA defines a nature center administrator as an individual who provides the vision and leadership to carry out the administration and development of the center's mission, goals and objectives. Primary responsibilities include management of a facility and its educational program, personnel, finances, marketing and physical resources.

If you fit that description, won't you join with us in promoting the profession as well as the individuals who comprise it. We'd like to have you on the team of dedicated nature center professionals who will be making a real difference in our future.

Contact: Association of Nature Center Professionals, Louisiana Nature and Science Center, New Orleans, LA 70187-0610, (504) 246-5672.

CEA: The Conservation Education Association is a national organization, founded in 1953, open to all persons and organizations interested in forwarding the broad aspects of environmental and conservation education. An annual conference, held in early August, provides an opportunity to learn about timely issues, meet and interact with other practitioners in the field and engage in workshops and dialogues with specialists from all over the country. A newsletter gives a periodic update on national and regional happenings, instructional materials development and implementation, educational programs, employment opportunities and resource materials.

For information contact: Robert Rye, Conservation Education Center, R.R. 1, Box 53, Guthrie Center, IA 50115.

"Copyright (c) 1987. The Institute for Earth Ed."

IEE: Originally known as the Acclimitization Institute, the work of the Institute for Earth Education builds on the efforts of Steve Van Matre and his associates, started in the sixties, as documented in the books Acclimatization and Acclimatizing. The Institute has developed several unique programs, and expanded its membership greatly, even to the point of crossing the ocean into Great Britain and Australia.

Earth Education materials are developed to be a part of a complete Environmental Education program, not as supplements to existing curriculum. They focus on ecological systems and inter-relationships, with the ultimate goal of lifestyle change for the student.

Members of IEE receive copies of "Talking Leaves" (the official journal), announcements of conferences, and discounts on IEE publications. Membership fees are: $20 - Personal; $35 - Professional; $50 - Affiliate; and $100 - Sponsor.

For more information, contact: The Institute for Earth Education, Box 288, Warrenville, IL 60555.

NAI: On January 1st of 1988, the Association of Interpretive Naturalists and the Western Interpreters Association formally consolidated to become the National Association of Interpretation (NAI). This national organization is for all those involved in the interpretive field, including not only naturalists, historians, and park rangers, but also educators, museum technicians and curators, administrators, recreation specialists, authors, plus volunteers and supporters.

NAI is comprised of ten regions across the United States. Each region is served by an elected board from their membership.

Membership benefits include information on national and regional meetings and conferences, subscription to bi-monthly publication Journal of Interpretation and regional newsletters, national training opportunities, scholarships, and employment hotlines. Membership costs are: $40 - Regular; $1000 - Supporting; $25 - Student; $500 - Life and $100 - Institutional/Commercial.

For more information, contact: Judy Giles, Associate Manager, P.O. Box 1892, Fort Collins, CO 80522, (303) 491-6434.

NSYF: For over 29 years, the NSYF has been leading the nature center movement, providing a variety of services and publications, all aimed at promoting and developing centers and the staff who are the on-line professionals of our field.

Organizations and individuals who join the Foundation help assure continued advocacy of growth, excellence and professionalism.

- **Publications** to increase communication within the profession and among facilities.
- **Conferences, workshops** and **seminars** to increase the competency of the staff teaching and managing at our country's nature education centers.
- **Projects** to strengthen the appeal to educators, the public and the professional job market.

Contact: Natural Science for Youth Foundation, 130 Azalea Drive, Roswell, GA 30075, (404) 594-9367.

NAEE: The North American Association for Environmental Education (NAEE) is a professional association established to assist and support the work of individuals and groups engaged in environmental education, research, and service. In meeting the goals and needs of environmental professionals, NAEE promotes the analysis and understanding of environmental issues and questions as the basis for effective education, problem-solving, policy-making, and management.

NAEE membership is organized into three interactive sections, allowing for more specialized programming. The Non-Formal Education section is composed of members who are involved with education centers outside of schools, zoos, museums, government agencies, etc.. The Environmental Studies Section involves those members who work in higher education, both two and four year universities and colleges. The Elementary and Secondary Education Section is composed of teachers and school administrators, as well as teacher trainers and education professors.

Membership to NAEE includes a subscription to the Environmental Communicator (6 issues/year), proceedings from the annual conference, and copies of NAEE's monograph series, which presents research and up-to-date solicited papers concerning environmental education. Membership costs are: $35 - Full membership; $20 - Student or retired membership; $400 - Life membership; $150 - Institutional membership; $60 - Affiliate membership; $20 - Subscription to Environmental Commmunicator.

For more information, contact: NAEE, P.O. Box 400, Troy, OH 45373, (513) 698-6493.

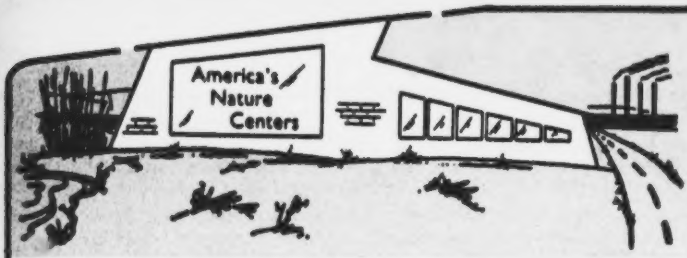
PA, Inc: Since 1971, Project Adventure has been creating learning programs that challenge people to go beyond their perceived boundaries, to work with others to solve problems and to experience success. Non-competitive games, group problem solving initiatives and ropes course events are the main activities focused on to achieve these goals, with a mission to bring these activities to the places where the participants live and work, i.e., to "Bring the Adventure Home."

As means to this end, Project Adventure provides many workshops throughout the year and throughout the U.S., as well as numerous materials and publications. Associate membership includes a full year (3 issues) of the newsletter "Zip Lines". Individual members also receive discounts on publications, and Institutional memberships are eligible for discounts on materials, tuitions to workshops, and safety inspections. Membership costs are: $20 - Associate; $150 - Supporter; $35 - Individual; $500 - Sponsor; $100 - Institutional; $1000 - Benefactor.

For more information, contact: Project Adventure, P.O. Box 100, Hamilton, MA 01936, (508) 468-7981.

Appendix D:
NSYF'S Blue Ribbon Reports

- The Status of Our Profession
- Nature Center's Big Concerns
- Environmental Education Leaders Predict Future Trends



REPORT #1

NSYF'S Blue Ribbon Report on the Status Of The Profession

About This Series: *Nature centers, natural science centers, environmental education centers, nature learning centers — many different titles are used to describe organizations dedicated to sharing experiences and learning in and about the Earth.*

NSYF has, for 26 years, been an advocate for the establishment and growth of these centers and the development of their staff. As part of its on-going program of providing services, this first "Blue Ribbon Report" was designed to help provide perspective on the perceived status, concerns and observations relevant to the profession.

Periodically, future Blue Ribbon Reports will delve more deeply into specific areas of interest and attempt to provide information and statistics which reflect our status, reveal alternative directions, support management decisions and, hopefully, foster the growth of the profession.

How healthy are natural science centers across the country — what problems are they experiencing, what new trends are developing, what are their goals, and how do they see themselves achieving their mission?

In an effort to answer these questions, the Natural Science for Youth Foundation initiated the Blue Ribbon Report on the Status of the Profession. At the 1987 New Orleans Conference, round-table input sessions focused on issues, trends and problems. Quotes from the round table discussion are included in this article. In addition, questionnaires were given to each of the participants, and were also made available to NSYF members in the Natural Science Center News. The 13 item survey included such topics as: the challenges facing centers, defining the mission of the centers, and financial support.

These surveys and discussion groups were not specially selected to be representative of nature centers across North America. The over 100 people who participated in the discussion groups and the survey probably do reflect many of the concerns of nature centers in general. It is risky to extend these results to the larger population of nature centers with regard to projecting how many think this or that; however, it is probably reasonable to expect that the **types** of concerns mentioned would also be cited by other nature centers across the country.

— Some Are Doing Well, But Others . . . —

When asked about the status of the 'nature center movement' in the United States, those filling out the survey usually described it as either 'healthy' (57.7%) or 'holding on' (37.7%). As one participant pointed out, **"The fact that new nature centers are being built must mean we are doing something right."** There was general agreement that significant differences exist among the various regions of the country. Some were seen as doing very well; experiencing a "boom," while others were stagnant and just managing to stay in place. Few of the participants felt that centers were "slipping backwards" and none suggested they were "seriously in trouble."

Where nature centers seemed to be just "holding on," the participants sensed the lack of a regional level organization or a "movement" to help rally public support. Along these same lines, some concern was expressed for the lack of federal government support for "environmental programs" which seems to have trickled down to a lower level of enthusiasm locally.

Being in a booming area presents its own set of problems, however. There was a sense that the expansion of nature centers sometimes created too much overlap and competition among the centers. Ironically, many of the areas that are experiencing a rapid growth of nature centers are also experiencing high levels of development, and loosing many of their "natural areas."

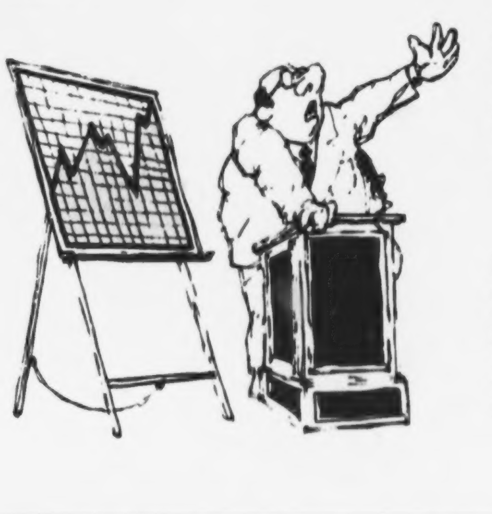
What is considered "healthy" may well be a function of the age of the nature center. Many centers, moving into a more "mature" stage, are increasingly concerned with improving salaries, funding and management. Long-term budget issues have replaced the attention previously focused on establishing the center.

— Money Matters A Lot —

Funding is, by far, the biggest challenge facing nature centers. Nearly all of the participants mentioned the need for assuring a stable source of funding. Operating costs and salaries, followed by capital improvement monies headed the list of critical needs.

Attracting and maintaining quality staff with limited financial resources was a serious concern, also. The frustration among some staff was clear: **"We are all undercutting each other. As soon as you leave, someone is there to take your job and at well below what they should be getting."** As staff compare their salaries to those in other professions, the annoyance may be intensified: **"If you don't pay the staff well enough, the staff itself can develop a negative self image."**

On the brighter side, the written responses indicated that nearly 80% of the participants' centers have experienced increases in staffing over the last five years. In some cases, this resulted in shifting responsibilities and the separation of administrative roles. Only 14% had experienced decreases in staffing, with the remainder staying the same. In those centers with little staff growth, one of the barriers to career advancement identified was the lack of staff turnover. When the staff size is small and constant, there is often nowhere to go without leaving the organization. One suggested solution involved promoting naturalists, paying them higher salaries, and developing a "master teacher" role for them.



The written responses also indicated that there have been salary increases at regular intervals at most of the represented facilities, although they were spread out in some cases. Likewise, the availability of benefits was surprisingly high. Most are covered by health insurance, although fewer had dental coverage.

—Developing A Niche: Community Support and Competition —

The overall health of a nature center, both financially and in terms of morale, may well depend upon local community support. Happily, most of the participants reported that they enjoyed "good" to "very good" community support. Even with this good news, quite a bit of concern was expressed over the image and role of

(Cont'd Page 2)

EXTRA
EXTRA

Nature Centers Define Their Mission . . .

the center in the community, and with a desire to make the role of the center more central and vital. Some felt that if centers developed a strongly defined role in the community, that their funding problems would be solved. "If you are seen as relevant and a source of valuable information, then the funding comes with that. You are fulfilling a need in the community."

Many expressed the need for increasing the awareness of the public of their center and the services it provides. **"We need to educate the public to the fact that they need us, to make people aware of what we do." "People don't even know what a nature center is, how it can serve their needs or how they can benefit."**

Nature centers structure their programing to meet the needs of the general public and often depend upon the support generated by these programs to pay the bills. But finding audiences is not always an easy task. According to questionnaire responses, nature centers feel that they compete most heavily for audiences with other family activities, television, and shopping malls. As one respondent put it, **"The 98% who will watch Sunday football on TV, what's in it for them?"**

Although questionnaire responses identified a number of sources of competition, the round table discussions focused on the competition among nature centers for funds and visitors, **"There are many nature centers opening up, there are a lot of worthwhile non-profits and it makes it harder to get a dollar."** For some, it seems, the competition may even threaten the nature center's existence, **"There is so much competition among nature centers that self-funded centers that were marginal are finding it increasingly difficult to keep their heads above water."**

Having more than one nature center in an area does not, necessarily, breed damaging competition. Several participants have found that if the centers in an area work together, they can cooperate and strengthen their programs. Greater cooperation was seen as a way to be more efficient, **"I would like to see a coalition of environmental organizations to end fragmentation and end duplication of efforts, and have greater resources."** Likewise, cooperation might increase overall effectiveness, **"Local organization is the key. We may be competing with each other because we are not looking at our territory and asking who can do what most effectively." "We've got to divvy up the territory. We have to have cooperative arrangements."**

— Missions and Goals —

At the heart of a nature center is its mission which defines the center's identity and guides the development of its programs. As might be expected, there was a diversity of perspectives regarding mission. **"We have a problem identifying and communicating to people just what a nature center is."**

From the various comments, four major missions were identified. They seem to represent different perspectives on the purpose of a nature center, even though a particular center may resonate to multiple missions.

(1.) Nature preservation. A small number of participants indicated that the preservation of the natural environment and natural heritage should be a primary mission for centers. Typical comments expressing this view were, **"Every nature center should provide for the preservation of the local flora and fauna."** and "We need to preserve natural resources." On the other hand, some argued that, **"If we are successful in getting across to people that we are part of nature, we are part of the system, that what we do impacts everything, that everything else impacts us. We wouldn't need to preserve tracts of land because the ethic would be there, and would not allow us to disrupt things that way."**

(2.) Connecting people with nature. For many, the mission of a nature center focuses upon connecting people with nature, and helping people understand the natural world. Central to this mission is the view that, **"Man is not apart from, but a part of the natural world,"** and that **"You can't build a relationship with nature unless you have contact with the natural world."** Direct contact with nature in developing this relationship is seen as critical, **"You will accomplish more by allowing a little hand to run across the back of a rabbit than with all the words in the world."**

(3.) From appreciation to human responsibility. For many, the cornerstone of the nature center is being able to instill an appreciation for the workings and wonders of the earth, as well as a respect for it. One participant expressed the view, **"If you can't get people to appreciate nature deep down, on a non-intellectual, emotional side, they are never going to be interested in environmental issues,"** while another expressed this mission in its most direct form, **"Anyone who appreciates the natural environment is going to protect it."** For some, appreciation is seen as the first step toward not only local environmental protection, but global protection, **"We must help the community understand and appreciate the environment they live in and if you can make that first step, they can appreciate what they see around them every day and understand its significance. You hope they can make a leap to the rain forest ... that these are also important, just as are the local issues."**

Although all of these statements maintain the link between developing an appreciation of the natural environment and responsible action, there does seem to be at least some diversity of focus. For some, the primary issue is to show how the environment affects people and their families. **"We don't save species for the species sake. People save species for what they feel, it must mean something to them, that sooner or later I or my children will be effected. We need to keep long-term human well being in mind. To save something for its sake, most people will turn it away."** While others hope to educate to a longer term view, **"Because we have a definite life span, we tend to think 100 years is a long time; 100 years is nothing. We talk a long time in the future; 20 years from now, that's not a long time."**

(4.) Connecting ecology and human responsibility. Providing the linkage between learning about natural systems, ecology, or the "interconnectedness" of it all and the development of a sense of responsibility for the environment is at the core of a mission that hopes **"to help people understand how life on this planet functions, that man is directly tied to those systems and communities, and that man has to change his lifestyle in order to live in harmony with the earth."**

Accomplishing lifestyle change is, however, no simple task, **"The basic issue is people's attitude toward the environment. But it's so nebulous you can't go up to someone and say 'let me teach you about your attitude toward the environment,' its so mushy you can't get a hold of it so we do all this other stuff – how do you reach a person and move them?"** For many, the answer was natural science education. **"We need to be perceived as socially relevant, and yet the moralistic approach of 'it's bad to be bad to the environment' is a bad approach to begin with and has been beaten to death now. We need to use natural**

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history as our hook, but we need to teach conservation and so many of us do not teach natural history and very timidly tip toe around man's implications or we preach about conservation. Natural history and ecology are so enormously appealing and draw people in, but it is the social relevance that gives us our support from the community. If we can't very directly in every program address what society perceives that we need to accomplish, then we are failing and our support in the community will fail too."

As one participant stated, 'We build into all of our programs a part called processing where each kid actually thinks about **"What environmental bad habits do I have?"**

The challenge is to develop programs that are comprehensive, focused and produce specific outcomes, while also meeting community needs. In addition, some hope that their programs also address lifestyle changes, and provide problem solving skills. As might be expected, a wide variety of program and service directions were expressed by the participants. The value of providing high quality, model, educational programs was widely endorsed by the group. One participant underscored the need to provide a focus in the program. **"They are trying to do it all and they are doing each one poorly, they need to concentrate on what they do best and realize that that is worth doing. Let's not make apologies for not doing more. When you try to please everyone, you end up not pleasing anyone and even your supporters start drifting away."**

Likewise, providing enjoyable, dynamic programs that inspire and are fun was identified as a high priority. **"It is sort of intangible, but when you walk into a nature center you should feel a spirit that you can't feel in other places, a certain feeling, a certain atmosphere that is welcoming, that is inviting, that makes you want to come back many times - a comfortable place to be." "One of the great problems in the nature center field is the ability of the staff to excite the public. The reason is because many of us take what we do so seriously, it is inside of our souls, but the general public doesn't know about it. So what we have to do is make them understand."**

Programs
Audience
Evaluation

Numerous facets of a center's programming were examined, including:

- Outreach programs and training workshops. Teachers, the public and members of the center were mentioned as a growing part of nature center programs. **"It's important to inspire the teachers, because they are with the kids the entire year."**

- Interpretive talks and exhibits. Traditional interpretative services and exhibits that focus on local natural phenomena, and other relevant topics were also discussed. These might include local hikes, field trips, and living collections. Developing **"exhibits that show interrelationships and the ecology of our area"** was noted as an important service.

- Leisure activities. Centers tend to focus on formal educational programs. **"We don't like to think of ourselves as recreational agencies, but we are. We do it through a variety of mediums."** By offering leisure time activities, recreation, and "educational recreation," the center provides a different type of experience, opening their doors to an even larger audience. **"Local nature centers should be easily accessible so people can come often."**

- Information/reference/coordination services. Providing a place where people can get information about environmental issues and resources was frequently mentioned as an important role for centers. This type of service might include providing a curriculum library for teachers, a lending library for the public, information sources concerning environmental problems, and a "hotline" for environmental/ecology questions. **"Nature centers are places that disseminate information in a variety of ways: books and people."** However, serving the community as a source of information means that the center must **"stay current with issues and maintain a certain objectivity so people in the community trust you as a source of information."**

- Providing a role model. Although not suggested by a large percentage of participants, the idea of providing a role model for environmentally sound living was mentioned, **"We need to model positive environmental behavior. I have a real problem going to nature centers that are environmentally negative. The amount of styrofoam that we use is incredible. If we are asking the kids to change their behavior, why aren't we looking at our own." "We need to eliminate the hidden messages that our negative behavior shows."**

The center can also provide a safe, comfortable place where like minded people can gather, reinforcing attitudes and behaviors, **"The nature center provides a forum so people can get together, to acquire new knowledge and reinforce ideas that they have formed about the environment." It's very difficult to go it alone, both for the nature center staff and the visitor. A group of people that believes as they do form a support group."**

- Activism. For some there was a need to become involved in decision-making and the political process, and to instill a sense of activism in the public. Centers should provide **"Action, not just education,"** as well as the motivation for **"people to speak up and attend meetings."** There was hope expressed that **"some day the kids I educate will speak up when it comes to making decisions about the environment."** But if action is a goal, the program must be designed to insure action. **"If we don't consciously try to help people make that transfer, it just isn't going to happen. So many curriculum guides are great until they get to the action segment and then it's totally ineffective, it's not looking at it personally. What can the individual do beyond picking up some litter in the street?"**

The question of how active nature centers should be in local issues was sharply debated. For some, the lines were clearly drawn between advocacy and education, **"Are you seeing this as presenting both sides of the issue or are you in an advocacy role, because there is a real big difference. Ours is an education role rather than an advocacy role. We try to present both sides of an issue. We don't take a stand about what we think you should do."** Others are struggling to define an activist role, **"What role can nature centers take in the future that will initiate more issue specific action? We tip toe around issues that have any political overtones. So for us to do programs on even local community environmental issues is something we have to be careful about. And yet, we are the ones that should be doing that. How are nature centers going to do that as money gets tighter and tighter, and we are more and more afraid of losing it by stepping on people's toes or losing governmental support? Is this our role or not?"**

Still others have defined their activist role in terms of providing training in needed skill areas, without taking specific stands or advocating particular actions. **"Our mission is education and not lobbying. ... we have developed a training program for educators that**

(Cont'd Page 4)

they could use with children or adults, or other educators to help train them with educational techniques that they can use to motivate for advocacy, not necessarily taking a stand on any issue so much as motivating and incorporating some aspect of an issue into each lesson. We are trying to teach people how they can teach about issues and not take a political stand."

- Offering a retreat. Several organizations spoke of providing a place for reflection and serenity. **"We stopped programming twice a week just so people who wanted a quiet experience could have it." "A lot of people come to us for renewal, and over a period of time become whole again because we listen and offer support."**

— Audience —

There were many comments supporting the need to serve a variety of audiences. The concern of nature centers with children was particularly evident. **"We reach maybe 40,000 children in local city and county schools." "To really be effective, you have to be involved with the schools where most of the children spend their educational time." "If you start with the children, it will be imprinted in their minds."**

There was also a strong sentiment that educational programs and activities should be available for the general public, as well as for school children and teachers. **"There are a lot of audiences, the ones we should be talking to most we aren't reaching. How many nature centers reach out to business groups, Kiwanis, sportsman's groups, hunters, trappers? Go out and talk to them. We tend to foster an attitude that we are restricted to working with children, that is how we are perceived." "One of the mistakes our agency made is that we have been focusing so much on the kids. We are teaching for the future, but we are in trouble now, we must reach more than just the kids – the family too. The parents are the ones making the decisions now. We can't afford to wait 10 or 15 years until the kids are ready to vote."**

There was often a strong sense that the center should reflect the needs of the community. **"Nature centers should offer a program that is tailored to the needs of the community."** Some expressed the need to alter programs and activities to meet the changing demographics in their area. In one instance this involved shifting their programming to appeal to newcomers and senior citizens. 'We have such a change in population, moving in and out, the aging of the population, they are all potential audiences''

— Assessment —

The value of evaluating programs and assessing needs was clear to many. **"Are we doing what we set out to do? After a day, we feel good, but a year later, do we have any papers, any proof of what we have accomplished?" "The underlying assumption is that nature centers doing environmental education will reap the benefits that we are counting on, and we don't have proof of that really. We don't know if we are affecting attitudes and values. We don't know if we are just drawing out the people who already feel that way."**

One-half of the participants indicated that they conduct some form of assessment of programming, resources, staff, or facility use, and frequently make changes based upon those evaluations. Of the new directions taken by centers over the last few years, changes to program offerings predominated. Public programs were improved and school programs updated. Teacher training workshops were initiated by some. New special offerings, such as field trips (some to exotic locations), winter programs, summer programs, wildlife festivals, and annual conferences were mentioned. There were also initiatives to try to diversify the audiences served. There was frequent mention of plans to improve funding, enlarge or renovate facilities, develop staff positions and to improve the scope of the volunteer program. Among management issues, there were efforts to improve board/director/staff relations and define their responsibilities. There was also movement towards a more professional, business-like operation, and the development of better marketing.

— Facilities —

Parking problems headed the list of complaints regrading general site features. Other complaints centered on security/safety, incompatible surrounding uses, small sized or irregularly shaped land, poor layout of buildings, inadequate trail systems and the lack of handicapped accessible facilities. **"When we want to stop and listen to the birds, there is often someone off making noise mowing their lawn."**

Space was the primary limitation expressed regarding the buildings at the centers. In particular, limited space for classrooms, activities, meetings, preparation of displays, and offices were listed. Other problems included housing live animals in the same building with collections and exhibits, and poor relative placement of rooms.

— Management —

Many felt that there was a need for centers to employ a professional management staff that could deal expertly with fund raising, planning, and budgeting issues. **"Proper management is essential to the quality of nature center effectiveness."** There was some disagreement on how to accomplish this, however. Some suggested that a ''management specialist'' whose training was primarily in business might be overly responsive to financial issues at the expense of center philosophy. **"I don't think the nature center should be a business, but it should be run in a business-like way."**

On the other hand, retraining the naturalist staff is an option. **"I came on as an environmental educator and now I am management, and I don't have the management skills to run a nature center."** Some expressed the concern that promotions into administrative positions sometimes take people away from what they like and what they do best.

The need for good management may well necessitate a change in the training naturalists receive. **"Nature centers may need to alert Universities that people coming into this field need more business background."**

— Summary —

The community of natural science centers seems to be growing and improving. It is an introspective group, concerned not only with what they are doing, but also with why they are doing it. It is a diverse community, with a variety of perspectives on how to manage their operations, but with a strong central core focused around the protection of environmental quality.

This survey is a first approximation of the condition, character, and philosophy of natural science centers. With further exploration, many of the elements identified here can be better documented and understood.

This Week
Groups:
Projects:
Maintenance:
Note:

About the Authors:

Deborah Simmons and Ron Widmar *have provided major authorship for this Blue Ribbon Report. They analyzed the input and consolidated the results of all of the extensive oral and written data.*

Deborah Simmons, Ph.D., is an Assistant Professor of Outdoor Teacher Education at Northern Illinois University and is Director of the Resident Program at the Lorado Taft Field Campus.

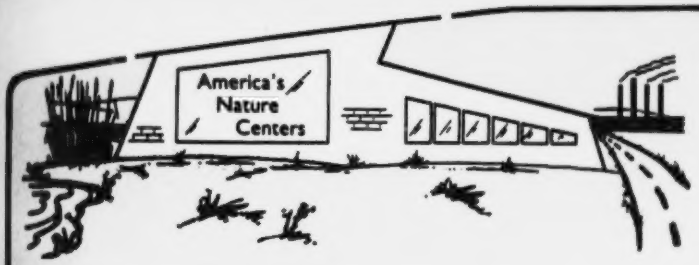
Ron Widmar, Ph.D., is a partner in the Humboldt Research Group, which provides land-use planning and environmental consulting services.

NSYF's editorial staff — Dick Touvell, Owen Winters and Mike Weilbacher — initiated and executed the project and established criteria and guidelines.

David Promis from Atlanta, GA screened the taped input sessions and wrote annotated contents.

"Thanks!" to the attendees at the 1987 National Conference in New Orleans who spent an afternoon giving input, and also to folks from across the Country who responded to the Survey.

This report, released March, 1989, is available in reprint form from, NSYF, 130 Azalea Drive, Roswell, GA 30075



REPORT #2

NSYF's Blue Ribbon Report on Nature Centers' Big Concerns

About This Series: *Nature centers, natural science centers, environmental education centers, nature learning centers — many different titles are used to describe organizations dedicated to sharing experiences and learnings of and about the Earth.*

NSYF has, for 27 years, been an advocate for the establishment and growth of these centers and the development of their staff. As part of its on-going program of providing services, this second "Blue Ribbon Report" was designed to help identify elements fostering the growth of nature centers.

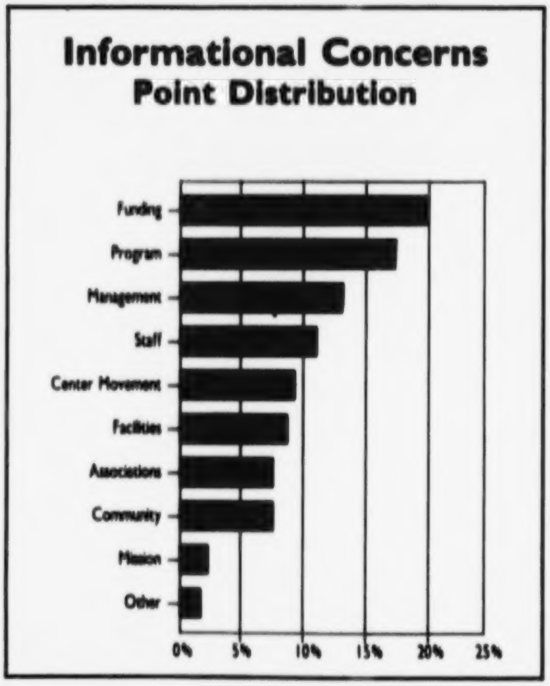
Periodically, future Blue Ribbon Reports will delve more deeply into specific areas of interest and attempt to provide information and statistics which reflect our status, reveal alternative directions, support management decisions and, hopefully, support the growth of the profession.

INTRODUCTION

What do nature centers need in order to grow, to help them with their everyday operations, to assist them in delivering quality, model programs? In order to better understand the needs of the nature center community and the membership of NSYF, a special session was held at the 1989 NSYF/NAS conference in San Francisco. This session was structured to build upon the results of the Blue Ribbon roundtable discussions held at the previous conference in New Orleans. Those present at the session filled out a questionnaire and participated in focused discussion groups.

The questionnaire asked participants to identify those areas where their center was in greatest need of additional information by distributing points among 62 different possible concerns. Participants were asked to imagine that they had 25 points representing NSYF'S research and technical assistance budget. They were then asked to distribute those points to as many or few of the choices as they felt accurately reflected the areas in which NSYF should conduct research and offer support. The choices ranged from information concerning ways of raising operating funds to setting up electronic bulletin boards. To aid the participants in this process, the areas of concern were grouped into 10 major categories (e.g., funding, program, staff, management--see Informational Concerns chart). After filling out the questionnaire, discussion groups were formed. Each group focused on one particular area of concern such as funding, program, or facilities.

The participants identified four main groups of informational concerns: operating the center, facility design, developing the center's program, and learning about what others in the field are doing.



Informational Concerns Point Distribution

OPERATING THE CENTER

Session participants identified information and technical assistance needs relating to several aspects of operating a nature center. In particular, they expressed concern about funding, management skills, and staffing.

Funding

Of the ten broad areas of concern (program, community support, management, etc.), funding received the highest number of rating points from the survey participants (20%). **"We need to know where to get the money, where the best place is for the particular need that we have whether it is operating expenses, a capital project or a program that we want to implement. We need the actual step by step procedure to find them, and then how to approach the funding source."**

Within the funding category eleven specific areas of possible concern were listed (see Funding Concerns chart). Of these, raising operating funds was identified as the most critical, receiving 36% of the points given to the funding category. As one participant said, **"We need to get out from under the heat of fund raising."**

Information concerning obtaining grants, developing capital funds, increasing support at the national level for nature centers,

(Cont'd Page 6)

Blue Ribbon Continued

and creating business ventures followed closely behind as identified needs. **"Are there foundations or grants out there that I am just missing?" "We need to be able to make a link with the corporate community. But how do we do it?"**

Some participants suggested that access to funding information was needed on an ongoing basis. **"Why not have a section in the newsletter devoted to granting and funding deadlines? Keep us informed about who gives awards and who has gotten them."** Likewise, there was a sense that detailed information concerning specific funding issues was also needed, **"I'd love to see an article in a newsletter on where to get seed money."**

Management Skills

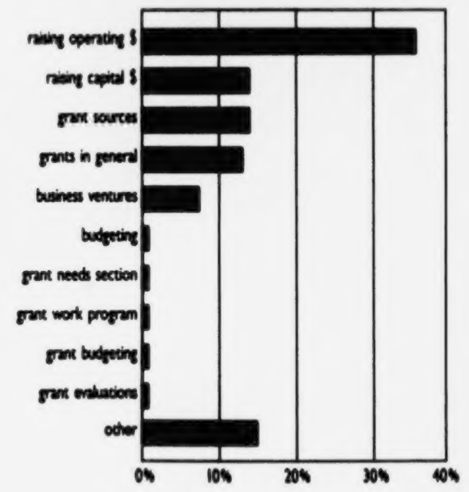
The need to develop stronger management skills was chosen by 13.3% of the participants. Of those selecting management as a category, nearly half (45.6%) felt that their center needed more information about developing marketing and public relation skills. As one participant suggested, **"We don't have a good handle on marketing. We need to come up with something we could take off the paper and modify for our own center." "We need to know how to target and market programs at audiences."**

Working with a Board of Directors (18.9%) and developing general management skills (21.1%) were also seen as high priorities among those concerned with management issues. Some suggested that they especially needed help in working with Boards who may not be environmentally focused, or who see their role differently than the staff does.

Staffing

Issues concerning staffing the nature center were mentioned by 11.5% of the participants. The primary focus within this category was on staff training and development, and the need for comparative salary information. As with the area of management skills, many of the staffing issues identified by the participants reflect underlying problems with funding. As one participant put it, **"If we are going to keep the profession moving, we have to get those salaries up and that goes back to fund raising."** But knowing how to determine appropriate salary levels seemed to be a problem in itself. **"Salary levels and benefits--that's the main thing. How do we decide what our salary guidelines should be? There is no comparison. There are no guidelines, no standards to look to."**

Interest was also expressed in staff recruitment, retention, and the comparison of fringe benefit packages. **"We have a lot of people who want to be in the field, but they are not going to stay very long if the salaries are low. We have a high turnover rate. We need to deal with longevity."**



Funding Concerns Point Distribution

FACILITIES

Designing nature center facilities was also identified as an area of needed support. In particular, participants expressed a desire for more information concerning design principles, and how to develop a working relationship with design consultants.

The largest single area of interest centered on the design of exhibits. Although time to devote to exhibit design seemed to be a common problem, **"Most nature centers just don't have the staff time to devote to exhibit development,"** there was also a sense that nature centers could benefit from shared expertise. One participant suggested the establishment of **"cooperative agreements among centers to exchange exhibits and to get different ideas through exhibits. If each individual center could take the responsibility to develop an exhibit then they could be a network or cooperative unit each sharing their ideas."**

There was also strong interest in learning more about designing nature center buildings and interpretive trails. Discussion group participants generally agreed that it would be helpful to have an updated manual on design principles that could be applied to nature centers and trails. **"There are all these elements: the planning process, the design, and the interpretation and how people function. Maybe a series of publications that could be updated from time to time could be developed."** In addition there was the notion of **"a scrapbook of how people built their trail or improved the trail. It would be good to have an easy way of seeing what people have done, it would be like shopping, like a catalog."**

Using professional design consultants was also mentioned as a way of gaining greater expertise, **"If cost were no factor I would like to have one of the top nature center designers take a look at our plans and tell us how bad they are, and help us avoid some costly mistakes."** But some suggested that thay need help with working with design professionals. **"Some of the people who are in trail design are good at the engineering, but they are not thinking interpretation." "A directory of consultants might be helpful. It should be specific, and give the consultants an opportunity to explain their philosophy, their background, experience, and references of work done."**

(Cont'd Page 7)

MORE BLUE RIBBON

Developing The Center's Program

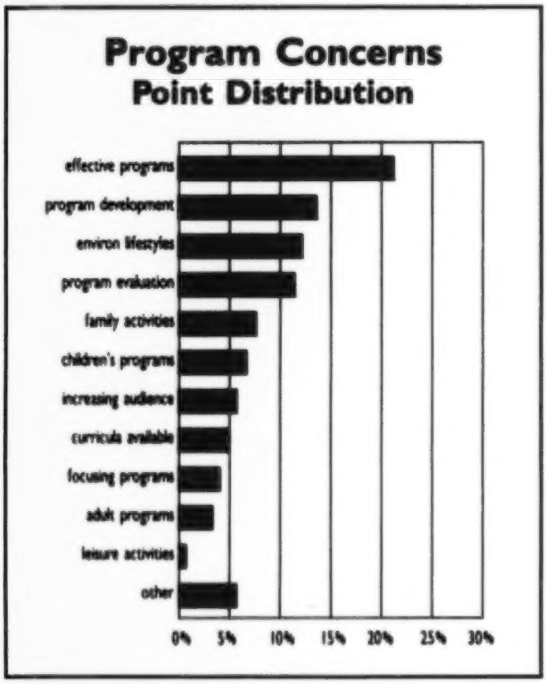
The program, the heart of the nature center, ranked only slightly behind funding as a major area of overall concern. As a category, program issues received 16.9% of all the points.

Within the program category the greatest concern and interest focused on four interrelated areas: program development, program effectiveness, program evaluation, and encouraging environmental lifestyles among visitors. Participants recognized that the development and evaluation of programs should be an interactive process, but felt that they needed additional information and skills to make the process work. **"You need to review your mission statement on a regular basis. I see the mission as the goal statement. But once you have a mission statement and you know what your purpose is, how do you know what you are actually doing, how do you measure against that?"**

Several expressed a desire for information on the effectiveness of various educational methods, **"We need to know what works–so that when we go to develop programs we know what to do."** In addition, participants expressed a concern over strengthening the link between program and lifestyle changes. In particular, one participant wanted information on how to develop **"programs that will make a personal impact on the individuals. Programs that will make changes in their lifestyles."** Similarly, another participant said, **"My biggest concern is over what effect we're having. Has it made any difference in their lives, or what they've learned, or what they'll do with it?"**

Participants also expressed an interest in learning how to evaluate their programs on an on-going basis, **"What are the ways to monitor the program? How can we monitor it's effectiveness?" "Our center needs help with writing valid evaluation tools."**

Interest in developing community support reflected both the desire to relate nature center programming to community needs, and the need to enhance fund raising efforts. **"How can centers best relate to their community and increase the status and recognition of nature centers?"**


Program Concerns
Point Distribution

Learning About What Others Are Doing

Throughout the discussions there was frequent mention of the need to open up communication among nature centers. Participants wanted to know what other centers were doing, how they handled problems, and what methods and approaches they used in certain situations. For some, there was a concern about becoming too isolated and cut off from the nature center movement as a whole.

In part, the interest in greater communication stems from a desire to learn more about what is happening in the nature center movement.

"How many nature centers exist, ones that you would really call nature centers?" "Who goes to nature centers? Who do they serve? Who aren't we getting to?" "We need a more comprehensive profile of who is out there–what their operating budget is, what their purpose is, who they are serving? It is a market survey in essence."

Likewise, the value of sharing ideas among centers and building on the experience of others to solve problems was frequently expressed and strongly supported.

"I had a problem, and I fought it and fought it until I finally figured out what would work for us, and I talked with other people who had gone through the same thing at the same time. If we had gone through some quick brainstorming, we could have saved ourselves a lot of agony trying to fight this problem."

As might be expected, a variety of opinions on which means of sharing information would be the most appropriate were also expressed. Suggestions ranged from the need for a data bank and a clipping service for current environmental information to a technical assistance service. The value of conferences, newsletter articles, and staff exchange programs as methods of sharing information were also endorsed, **"We need more access to advanced information, a data bank, staff exchange, getting people to serve as advisors."**

— About the Authors —

***Deborah Simmons** and **Ron Widmar** have authored their second Blue Ribbon Report.*

Deborah Simmons, Ph.D., is an Assistant Professor of Outdoor Teacher Education at Northern Illinois University and is Director of the Resident Program at the Lorado Taft Field Campus.

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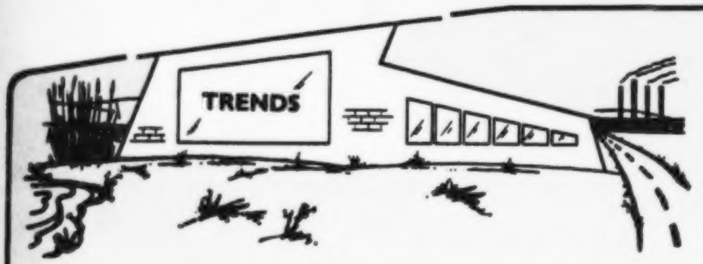
NSYF'S editorial staff — Dick Touvell, Owen D. Winters and Mike Weilbacher — have initiated and executed the project and established criteria and guidelines.

"Thanks!" to the attendees at the 1989 National Conference in San Francisco who spent an afternoon giving input.

This report, released May, 1989, is available in reprint form from: NSYF, 130 Azalea Drive, Roswell, GA 30075 (404) 594-9367.

— Conclusion—

The results of this second Blue Ribbon Report confirm that the nature center movement continues to strive for even greater quality and effectiveness. The participants showed that they value information and assistance that helps them to fulfill their centers' mission, and identified the need for more information on funding, ways of developing, focusing, and evaluating their programs, and how to design effective exhibits, interpretive trails, and nature center buildings. Moreover, they exhibited a keen interest in sharing ideas with others in the nature center movement. These discussions have again shown the nature center community to be introspective, but also committed to continually searching for ways to provide programs and services that will "make a difference."



REPORT #3

NSYF's Blue Ribbon Report

Environmental Education Leaders Predict Future Trends

***About This Series:** Nature centers, natural science centers, environmental education centers, nature learning centers — many different titles are used to describe organizations dedicated to sharing experiences and learnings of and about the Earth. NSYF has, for 27 years, been an advocate for the establishment and growth of these centers and the development of their staff. As part of its on-going program of providing services, this third "Blue Ribbon Report" was designed to help nature centers clarify trends which could affect operations.*

SUMMARY OF PREDICTIONS

NSYF asked 18 leaders of the environmental education movement in America to peer into a collective crystal ball to forecast future trends in our field. Using the Delphi poll, a technique developed by futurists (see p.13), these leaders forsee the following as occurring by the year 2000:

- Students in K-12 schooling nationally will spend up to 5% of their instructional time engaged in EE.
- Congress will mandate some form of EE in our nation's schools.
- Three of the four major organizations for professional environmental educators will have merged into one.
- A majority of states will have established a state Office of Environmental Education.
- A majority of nature centers will have produced official policy statements on environmental concerns.
- A majority of nature centers will have hired marketing and public relations managers, at salaries higher than staff educators.

Additionally, the telephone survey conducted during August 1989 indicated the following:

- One-half of those polled think students involved in EE programs nationally will, on average, spend less than 5% of their instructional time outdoors, by 1999. 22% think this is already true in 1989.
- 61% forecast a new term replacing "environmental education" by 2006.
- 28% of those polled think we are in the midst of a three-year decline in the total number of nature centers operating in North America. 78% see a decline likely in the future.
- 67% think entry-level EE'ers will command salaries comparable to our counterparts in public education by 1997.
- 78% agreed that most nature centers will establish both daycare and latchkey programs, and have them by 1998.
- 61% think that the number of wildlife rehabilitation centers operating will be reduced by 50% by the year 1995.
- 56% see the possibility of one of five schools nationally devoting empty classroom space full-time to a mini-nature center run by the community nature center.

In all, 20 statements were read to each participant. Those polled were invited to select a year in which they foresaw the prediction coming true as worded, or answer "never." Results were tabulated, and each was called again. In the second round, each was presented the results of the first, and a new response was elicited. NSFY staff also attended the recent CEA/NAEE conference in Estes Park, Colorado, and conducted the second round with participants who were there. The full survey, with results, is presented in this report.

In addition to noting these trends, a majority agreed that several would fail to occur as follows:

- 78% agreed that centers would never abandon the use of wild animals in programs or exhibitry.
- 72% never see the establishment of a national endowment for nature centers.
- 72% never see the disappearance of Bachelor's degrees in EE, although one panelist said it happened in 1989.
- 67% never see the word "center" disappearing from "nature center" or "environmental education center," to be replaced by "museum." Again, one said it's already occurred in 1989.
- 61% say that a majority of nature center directors will not have MBAs as a second degree (instead of MS's in science or EE).
- 50% agree that one of five states requiring certification for employment in EE....in formal and non-formal settings....will just not happen.

In presenting these results, it must be stressed that NSYF understands that these are only preliminary results, and are not intended to be statistically sound nor elegant. Our sample size was a meager 18. The poll was intended to satisfy two objectives: one, present a model of a technique employed widely by futurists (The Delphi Poll), applying it directly to EE (which we consider a first in the field), and two, begin what we hope will prove to be a lengthy and timely discussion of trends in our field.

18 LEADERS PREDICT TOMORROW'S TRENDS

Question 1: One out of five states requires professional environmental educators to obtain state certification for employment in formal and non-formal settings.

Results: Never 50%; Yes 50%, projected date: 1997

Talbert Spence Director of Educational Programs, New York Academy of Sciences

Talbert Spence of New York noted: "I just met with the New York City Board of Education, who may endorse a separate unit of instruction equal to science for Environmental Education," so he sees this "profoundly significant" trend occurring by 1991, in two years!

Lou Ritrovato of Pennsylvania, however, observed that "we're not organized or networked enough nationally for this to happen."

The statement confused several of those polled, since state certification in environmental education is already offered in some states. However, is it required to teach environmental education in a classroom? Do non-formal centers require certification for employment as a professional environmental educator?

Question 2: There is a total disappearance of EE degrees at the Bachelor's level. The degree can only be achieved at the Master's or Ph.D. level.

Results: Never 72%; Yes 28%, projected date: 1997

Janet Jackson Curator of Education, Zoological Society of Philadelphia.

Janet Jackson of Philadelphia thinks it's already happened. "Because there's no market ...or rather, the market is so specialized. This is not a widespread discipline; the volume (of students) is not big enough to support an undergraduate program." She sees certification, "but not a full degree."

Doug Noble of Tennessee disagrees. "As long as there are jobs in the marketplace for environmental educators," there will always be college degree programs, and jobs "are a barrier to that (disappearance) happening."

Question 3: Entry-level environmental educators command salaries comparable to entry-level counterparts in public education.

Results: Never 33%; Yes 67%, projected date: 1997

Ken Finch Director, New Canaan Nature Center, CT

Karen Hollweg of Denver disagreed: "Educators in the public school systems have been able to raise salaries because they're organized, and I don't see environmental educators organized for salary negotiation issues."

Ken Finch from Connecticut thinks it will happen. "We advertised for a job that was a shade above entry-level. I received a call from another nature director who wondered how we could afford it...it was only $18-22,000! This happening is extremely dependent upon environmental educators earning a status that is truly a profession, and this will not be conferred by the outside world, but by our own attention."

Question 4: Students in K-12 schooling nationwide spend 5% of their instructional time in EE curricula or activities.

Results: Never 11%; Yes 89%, projected date: 2001

Dr. William H. Stapp Professor of Natural Resources, University of Michigan

Bill Stapp of Michigan took a liberal approach to defining when the 5% number is achieved. The environment is "very strongly in chemistry, physics, social studies, even home economics. A lot of mainstream education is appropriate for what's taught in environmental education." He saw it happening by 1994, "but it depends on the definition. I already see an increasing amount of environmental education, and it will become more instituted in time."

Janet Jackson was one of two who said "never." "We'll be lucky to hit 1 or 2% on a national average....and that would certainly be an improvement."

Question 5: Environmental concerns spur Congress to mandate the teaching of environmental education in public schools.

Results: Never 22%; Yes 78%, projected date: 1997

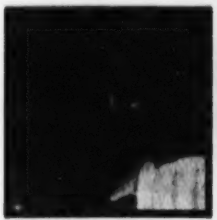
Peter Money Director of Education, Virginia Living Museum

Peter Money of Virginia could see it coming true, "but not until 2020, my way of saying it's not real likely. We're on a back-to-basics kick right now. Education works so slowly, like a giant pendulum swinging slowly back and forth. Takes 20 or 30 years for one swing of the cycle."

Bob Thomas of New Orleans based his response of 2000 on "all the legislation now going through nationally. There's a big hurrah for EE right now in Washington, and the Alliance for Environmental Education has sponsored a bill that's making its way through the process. There will be congressional hearings on it in the spring."

Question 6: More than 50% of American states have established a state Office of Environmental Education.

Results: Never 5.5%; Yes 94.5%, projected date: 2000


Lori Mann Director of Educational Programs, Coyote Point Museum for Environmental Education, CA

Lori Mann of California did not think "it would be that hard to reactivate once-existing offices of EE with current interest in the environment where it is."

Jackson, however, could see "12-15 states by the turn of the century. But not a majority. I just don't think EE is that great a concern in a lot of states."

The trend to identify here is the state government establishing an Office of EE, either in its education department or a resource agency, or with both. The prediction is NOT met if one state curriculum officer is responsible for EE and several other areas like science education, etc.

18 LEADERS PREDICT TOMORROW'S TRENDS

Question 7: Participants in more than 50% of EE programs nationally spend less than 5% of their instructional time outdoors.

Results: Never 28%; Yes 72%, projected date: 1997

Neil Markowitz of New Jersey is "not happy with this trend. I have very antagonistic feelings to EE computer programs. Technical applications can be wonderful, but I lobby for out-of-school, out-of-doors, hands-on experiences for kids. Those experiences stick with them."

Neil Markowitz Executive Director, Flat Rock Brook Nature Association, NJ

Bob Thomas was one who thought it's already occurred. "Go back 20 years," he recounted, "where the trend was to do EE outdoors at nature centers. In the 80s, there's been a tremendous growth in EE in schools because of mandated school programs. So now, it's got a more traditional indoor orientation. The nature centers did not bring it indoors. Superior teachers, of course, bring classes outdoors, but not average ones."

Let's leave the last word for **Jackson:** "It seems an oxymoron to me, to do EE indoors, and put the emphasis on 'moron'."

This question sparked a fascinating range of responses: Right off, 28% said "Never." However, 22% countered that in 1989 a majority of EE programs nationally are already outdoors less than 5% of the time. So, half of those polled are split between those who think this can - and will - never happen, and those who say it already has, a wide disparity of opinion.

Question 8: The term "environmental education" is superceded by a new movement and term, just as it once superceded "conservation education" and "nature study."

Results: Never 39%; Yes 61%, projected date: 2006

For **Ritrovato**, "a name change is the worst thing we could do. It would begin fragmenting the EE community once again."

Lou Ritrovato Chief, Environmental Education and Interpretive Section, Pennsylvania Bureau of State Parks

Stapp, whose definition of EE is widely accepted as definitive in the field, said that he "has no problem having a new term if it better defined the field. So many things get hooked by the term, that a new thrust might provide us with a term that's more relevant, maybe even 'futures education,' or something along those lines."

Some already noticed the use of terms like "science-technology- society" and "earth education" as related movements in the field used as separate terms. **Jackson** answered "never," but could not resist the urge to "play around with a new term, like bio-something, a term with more global impact, like "biosphere education."

Spence thinks the situation is out of our hands. "The new name depends on what the next generation, kids in school today, want to call it."

Question 9: Three of the following four organizations merge into one: the Conservation Education Association, the North American Alliance for EE, NSYF, and the National Association of Interpretors.

Results: Never 5.5%; Yes 94.5%, projected date: 1999

Pat Welch Director, Pine Jog EE Center, FL

Pat Welch of Florida sees it occurring by 1994. "It's a plus. The organizations have been duplicating services in the field. It's expensive to run a national organization, and it's expensive to join three or four. Merging is a good way to pool resources." She also noted at least one problem: "it could dilute the purpose of the organization so as to not serve the intended audience."

Ritrovato cautions us: "I don't see the interpretive people merging with the educators. There is a divergence of philosophy and methodology and we have never done anything to bring them together."

Question 10: More than 50% of current wildlife rehab programs are abandoned as unwieldy, staff-intensive, inefficient, and expensive.

Results: Never 39%; Yes 61%, projected date: 1995

Dr. Diane Cantrell Assistant Professor, Ohio State University

Diane Cantrell of Ohio spoke for many participants when she noted that "people just love warm fuzzy things and will always keep them around whether it's efficient or not." Her answer was "never."

Rich Horton of Ohio sees them "growing larger and more numerous, not smaller."

Pat Welch replied that "no place in our area does it. The health department closed down one lady's fly-by-night operation. She took in anything, and it was really filthy."

Question 11: More than 50% of nature centers have established BOTH latchkey and day-care programs.

Results: Never 22%; Yes 78%, projected date: 1998

Doña Thomas Urban Environmental Education Specialist National Audubon Society, NY

Doña Thomas of New York foresees this by 1995, "especially with the population exploding again, and babies having babies in urban centers. There's a big need to support people with children, especially single parents with children, grandmothers with children, and the like. The traditional family is almost nonexistent."

Spence, however, sees an important distinction "between providing the service and running the facility. You can provide the program but not run the facility. Many centers are in areas that just don't have the demographics and geographics to do it competitively. I mean, in an urban center, there's so many alternatives for programs. And in rural centers, where's the demographics to support the program? Maybe this will happen in some suburban centers, but that's it."

18 LEADERS PREDICT TOMORROW'S TRENDS

Question 12: A national endowment for nature centers is formed, funded by tax dollars and penalties levied upon environmental polluters.

Results: Never 72%; Yes 28%, projected date: 2003

Doug Noble added that "it's probably too small a segment for Congress to worry about. There's also the perception of Congress that they don't have to worry since IMS (Institute of Museum Services) can fund nature centers too. We're too specialized a group to have something done for us."

Dr. Doug Noble Director of Museums, Memphis Park Commission, TN

Ken Finch looks at the political process, and "right now our profession has no political power in this country. We have an influence on broad-based public attention, but we haven't created public support for organizations that do environmental education."

Question 13: More than 50% of nature center directors have MBAs, as opposed to MSs in natural science or EE.

Results: Never 61%; Yes 39%, projected date: 2009

Faith Burbank Executive Director, South Shore Natural Science Center, MA

Says **Faith Burbank:** "I see a trend there right now." So does **Beth Huning**, who gave "2014" as a response. "It's this way in bigger museums and may filter down to nature centers."

There was general agreement, as **Finch** put it that, "Management skills are needed, but the degree itself is not necessarily needed."

Janet Jackson said the "idea horrified me. The guiding light of the center should be someone with the appropriate knowledge foundation."

Question 14: More than 50% of nature centers employ full-time marketing and public relations managers.

Results: Never 22%; Yes 78%, projected date: 2002

Question 15: In 75% of those centers with marketing/PR managers, these managers command higher salaries than staff educators.

Results: Never 5.5%; Yes 94.5%, projected date: 1990

Faith Burbank of Massachusetts sees them on board by 1995. "The option will certainly be there," she commented. "The AAM has sent out questionnaires as part of MAP III (Museum Assessment Program) to address marketing deficits in the categories they serve, including nature centers. When that's in place, there will be a much heightened awareness, and centers will change staffing structures to be accredited."

While **Ken Finch** agrees that "having them on staff is critical," he doesn't think the statement's goal of 50% is reachable. "It's important to have marketing and public relations staff as a means of not preaching to the choir as much. But there are so many tiny nature centers around the country. It's a good idea, but not likely."

Question 16: To preserve and protect remaining wild animals, a majority of nature centers discontinues the use of live animals in displays or programs.

Results: Never 78%; Yes 22%, projected date: 2001

Karen Hollweg Education Director, Denver Audubon Society, CO

Karen Hollweg added, "there will always be an abundant supply of coyotes (she's from Denver), rabbits, and raccoons."

Lou Ritrovato was one of the four who thought it could happen. "If we don't, we're making a hypocritical statement on the maintenance of animals in their natural habitats."

Finch spoke for the others: "They're just simply too good a teaching tool. The benefits ouweigh the costs."

Question 17: The number of nature centers operating in North America declines for the third year in a row.

Results: Never 22%; Yes 78%, projected date: 2001

Jackson said, "never." As she put it, "It's the law of supply and demand. As the supply of unstructured and readily-available space becomes available, there will be more emphasis on saving it. It's like rare art treasures. Centers are preserving small gems of once-larger habitats and are therefore more valued."

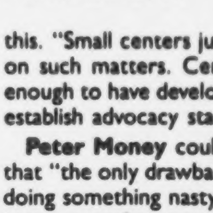
Rich Horton former Director, Shaker Lakes Regional Nature Center, OH

But **Finch** thinks we're in this decline now. "I think a lot of small little-known centers who haven't achieved lift-off acceleration will go under. Lots of people start nature centers with good will and intent, but don't have the skills to keep it going."

Burbank places the decline at 2003. "Mediocrity will not be able to survive. If you're doing something unique and making a contribution, you'll survive."

Question 18: More than 50% of nature centers adopt official policy statements on environmental issues.

Results: Never 11%; Yes 89%, projected date: 1998



Ken Voorhis Director, Great Smoky Mountains Institute at Tremont, TN

NSYF imagines walking into the reception area of a nature center and asking, "Can you tell me your center's position on acid rain?" Or "I don't understand this ozone stuff...does it cause the greenhouse effect?" And the receptionist hands the customer the center's position on that issue, carefully explained and diagrammed. Will such a scenario occur in a majority of centers?

Jackson was among the "never's" on this. "Small centers just do not have time to establish policies on such matters. Centers that can devote the time are big enough to have development directors and will be reluctant to establish advocacy statements that might offend funders."

Peter Money could see it happening by 1994, but agreed that "the only drawback is if you have a fat corporate sponsor doing something nasty. But the public is more interested now in issues, and centers can be conduits of information on this; we can and should take stands. It will always be easier to make statements on national issues, because of corporate sponsorship locally. It's an easy cop-out."

Question 19: One in five schools devotes an empty classroom space full-time to a mini-nature center run by community nature center staff.

Results: Never 44%; Yes 56%, projected date: 2007

When the current baby boomlet ends, what will schools look like? Will there be empty classrooms in schools in the 90s? If so, might the environmental education movement suggest possible uses for at least one of these rooms? Could one in five schools one day have its own mini-nature center sponsored by the community nature center?

Hollweg thought that she could see "centers being allowed to rent space in empty schools on a very low-cost basis."

Markowitz "thought a lot about this one. If there are lower number of children in schools, and schools have extra classrooms, then centers might be faced with the staff and time to do this. The idea has real potential." He thought "2010."

Welch sees lots of Floridian "natural areas that are school-affiliated, and schools are developing nature parks or trails. They won't have a center, though."

Spence thought it "conceivable," and observes task forces of people in science and math that now give input into the construction of new buildings. "Wouldn't it be great to be able to impact the design of schools to accomodate such facilities?"

Question 20: More than 50% of EE facilities opening in this year opt to call themselves "nature museum" or "environmental museum" rather than "center."

Results: Never 67%; Yes 33%, projected date: 1998

Beth Huning of California said, "I'm already seeing this...one or two centers just opened here and they're calling themselves "museum," not "center." Here in our state, it's a way to appeal to the general public. Audubon is opening a new center near L.A., the Audubon Living Museum at Ballona Wetlands. This is a change for Audubon."

Beth Huning Director, Richardson Bay Audubon Center and Sanctuary, CA.

Bob Thomas thinks never. "I firmly believe that centers are just coming into their own as a profession. In the last five years, I see three significant occurrences. One is that centers can become accredited by the AAM, which means there was a reason for museum people to recognize nature centers as part of the field. They see us as a well-defined unit of the field. The second is NSYF's focus on assisting nature centers in management and in professionalizing things. Meetings now focus on management issues instead of how to paddle a canoe. Third is the founding of ANCA, Association of Nature Center Administrators, which is not a counter-revolution against NSYF. We started because the lobby for administrators has never been heard. We could very well merge with NSYF in 5-6 years. But I think nature centers are just coming into their own."

Several trends caused NSYF to probe this question. One, as land availability declines, and land cost escalates, might there someday be little land left upon which to found and operate a "center?" Two, will new exhibit techniques and technologies make nature center discovery rooms look more like professional natural sciences museums? Big science museums regularly include areas that look like small nature centers. When will they overlap fully? Three, the definition of "museum" is changing, and will soon accommodate the methods and techniques traditionally employed by "centers." Museums are no longer stuffy collections of dead objects.

Dr. Robert Thomas Executive Director, Louisiana Nature and Science Center, LA

THE DELPHI PROCESS

Just as ancients once flocked to the Oracle of Delphi for her famed...and fateful...predictions, 20th Century futurists flock to the Delphi poll for trend forecasting and predictions.

The Delphi, the most widespread forecasting tool of the futurists, was designed in the early 1960s by the RAND Corporation. Its purpose is to identify a consensus among a group of experts in a field. It is not a "man-on-the-street" opinion poll.

Delphi questions are restricted to those whose answers cover a continuous range and can be averaged, like dates or probabilities. The best Delphi is conducted in writing with a panel assembled in one place. NSYF conducted its Delphi over the phone to meet press deadlines.

In Round One, panelists responded to each statement by either predicting the year in which it will come true or assigning the answer "Never." The results were tabulated and the panelists were contacted for Round Two. Here, the statements were each read once again, and each panelist was presented with the results from Round One. Each responded again, changing previous responses if desired, and adding comments that state reasons for their scores.

NSYF ended its Delphi here. Most Delphis include Round Three, where panelists are presented the results of Round Two and can read each other's comments. Predictions would be elicited once again.

The Delphi technique exploits the tendency of people to take into account the opinions of others in responding to a poll. Delphi can create convergence of opinion in predictions, a consensus "weighted" to reflect the different degree of conviction among members of the group.

The Delphi is less successful with divergence of opinions. It was difficult to include 20 predictions that 18 environmental educators could all agree would occur. If we had that, then the Delphi helps in pointing to "when." With us, the decision was made to include controversial statements, hoping that the results would be sufficiently intriguing.

If this Delphi poll of environmental educators from across the country has stimulated your interest, you have several options of what to do next:

One, write us at NSYF, and perhaps we'll include your comments in the next issue.

Two, come to our next NSYF conference, where we'll create a roundtable discussion of these issues featuring many of the participants.

Three, conduct the poll yourself. Do it as a staff. Where do you see the field of EE moving as we approach the 90s?

QUOTABLE QUOTES

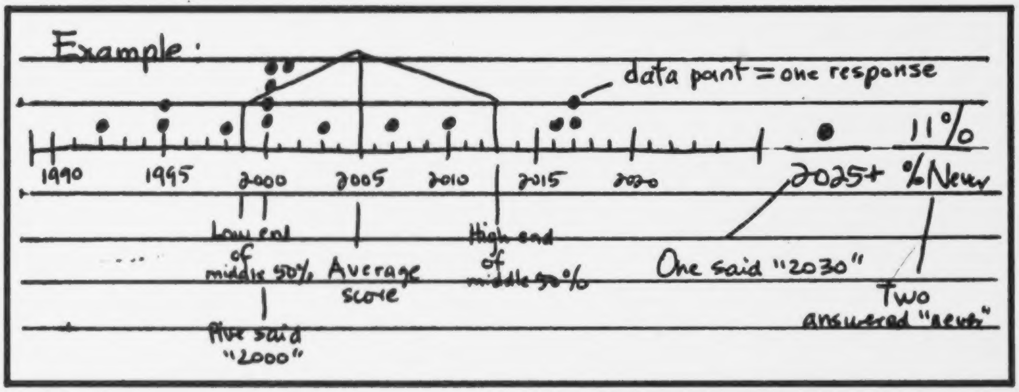
"Future shock: the dizzying disorientation brought on by the premature arrival of the future."

— Alvin Toffler

"The future seems to me no unified dream, but a mince pie, long in the baking, never quite done."

— E. B. White

VISUALIZING SURVEY RESPONSES



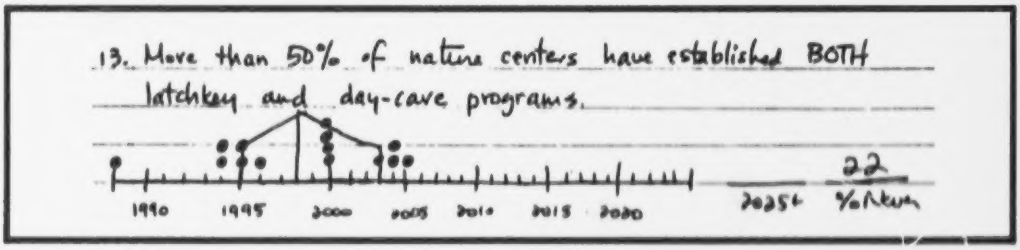
In this edition of the Blue Ribbon Report, comments and data have been summarized into a comprehensive document. However, we found that during the information-gathering process, considerable interest in the Delphi Poll was expressed.

Following is an explanation of how final predictions were made and an example using real data from Statement #13. If you would like a complete set of the data, please send $5.00 + $1.50 handling charge to NSYF, 130 Azalea Drive, Roswell, GA 30075.

Responses to each statement are graphically presented on a timeline. Each response is a dot placed over the year. The percentage indicating "Never" is shown to the right of the timeline.

A "house" is built over each timeline. The high part of the house's roof corresponds to the average. Fractions were dropped in calculating the average. If the average of numbers were 1998.6, for example, six-tenths of a year is approximately the end of August's first week. That's still, however, in 1998.

The walls of the house correspond to the interquartile range, i.e., the middle 50% of responses. The "middle 50" shows the cluster of responses in the middle range - the 25% lowest and 25% highest responses are removed. This helps lessen the influence of extreme predictions on either side. If 16 predict a statement coming true, the lowest four and highest four responses are removed, leaving the eight in the timeline's center as the "middle 50%."


13. More than 50% of nature centers have established BOTH latchkey and day-care programs.
1990
1995
2000
2005
2010
2015
2020
2025+
22
%Never

ASSISTING THE PROFESSION

SERVICES

National Conferences
Blue Ribbon Research Reports
Staff & Management Training Workshops
NSCNews Magazine
OPPORTUNITIES Jobs Bulletin
Nature Center Consulting, Sponsorship & Assistance
Directory of Natural Science Centers

AWARDS PROGRAM

E. M. B. Naumburg Award
Henry Gund Youth Award
Founder's Award
William T. Hornady Gold Medal

1-800-992-NSYF

THIS REPORT'S AUTHOR

This, NSYF's third Blue Ribbon Report, has been produced by Mike Weilbacher, asociate editor of NSCNews. Mike now joins Dr. Ron Widmar, Dr. Bora Simmons, Dick Touvell and Owen D. Winters as authors of these timely analyses of our profession.

Mike Weilbacher graduated from the University of Michigan with an M.S. in Environmental Communications. For more than a decade, Mike has entertained and educated young and old alike with original environmental stories, mime, puppet shows, and even magic. Also, he was Editor of the Pennsylvania Alliance for Environmental Education Newsletter for five years and has been an environmental educator for Schuylkill Valley Nature Center and the Academy of Natural Sciences and is currently with the Franklin Institute in Philadelphia. We've profited from his creative contributions to NSCNews for over two years.

By way of the Delphi Poll, Michael, Dick and Owen gathered and processed the thoughts of professionals across the country, generating a significant document. Our thanks to all who have participated in this project for their valuable time and thoughts.

Next report, Blue Ribbon –4, will be produced by Ron and Bora as a result from data gathered in NSYF's national search for nature centers. Don't miss it!

This report, released September, 1989, is available in reprint from NSYF, 130 Azalea Drive, Roswell, GA 30075.

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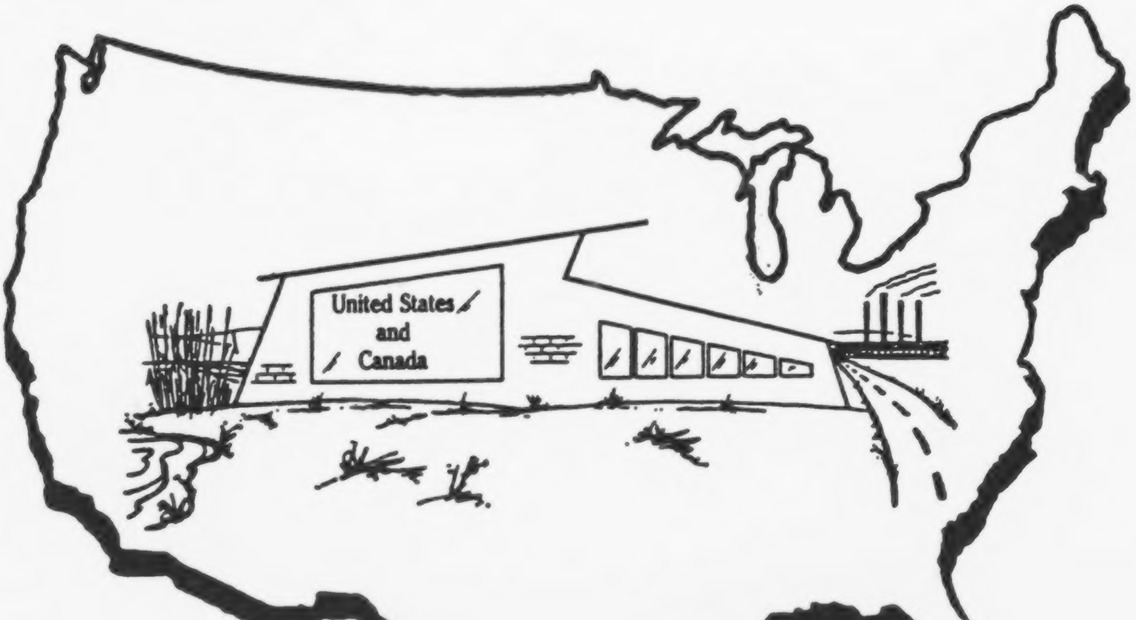
NSYF's Directory of Natural Science Centers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